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P. De Benedictis
1965-1966

Alaska

Species Accounts - Part 1

Birds: Gaviidae - Scolopacidae

[illegible]

P. De Benedictis
1965 - 1966

Alaska

Species Accounts – Part 1
Birds: Gaviidae - Scolopacidae

P. DeBenedictis
1965

Gavia stellata

- 13 June Barrow, Alaska - ~~one~~ seen flying over the Barrow area W of AKL, looking around as it flew.
- 28 June A loon was heard flying over the VOTH creek area and appeared to be a Yellow-bill; a loon shortly after circled the area, making the same call, the usual cackle, and landed on VOTH Creek; it proved to be this species.
- 29 June A wild sounding call from the Meadow Lakes area was attributed to this species by Dr. P. Telka.
- 7 July Two loon birds seen in flight over Family hagoon
- 11 July At least 3 seen in the Ikroavik region, including a pair in a small lake but no nest could be found. They were silent and fairly shy.
- 12 July This appeared to be the common loon out on the lead and 4 or 5 were seen diving at rather close distance from shore. They stayed out in fairly open patches of water.
- 15 July One yelling from the Meadow Lakes area in the evening.
- 16 July one flying ~~to~~ east (south) with 3 Yellow Bills over Elson hagoon.
- 24 July One seen flying north over Voth Creek, call a low, row — — — repeatedly. When it got to Family hagoon it circled and changed to the ~~rough~~ ^{un} rough call and landed; a 2nd bird on the lagoon began calling when the 1st changed to the rough call.
- 25 July Several seen in the area south of Ikroavik, including two on a relatively small pool, where no nest found. They were less common than Arctics by about 2:1.

June 20, 1934

2934

Bamboo, *Indocalamus* - Two along E. side of road and a
one in a ^{small} ^{pond} ~~small~~ ^{pond} near trap line. The
the other side of the road is the open field and
the ~~other~~ ^{other} side is the field and the other side
is the field and the other side is the field and
from this area about 530 m.

Loons Stellar

- 8 June Moose River Lake, 153°25'W, 55°27'N, Alaska
a ♀ in the pool of the Moose River. 3 of the
ice down in the afternoon. One bird appeared
to be calling a few times, "kyow" "kyow"
- 9 June Two in the Moose River pool between the
pools. One flying in the air above the pool.
Two over, one in the meadow. 3 of the ice down.
See G. and K.
- 10 June More than one seen on the water and flying over.
All loons definitely identified to species. ~~Several~~ "cuckling,"
some cross this species. After the ice came out, 4 birds
in breeding plumage found in South Creek where it is
free.
- 11 June Seen flying over many flying over. Seen on water
"kyow" and "kyowow", the latter very soft etc.
When surprised birds on the water, they responded
with a sharp "kyow" like a sound. Still only this
species seen to cuckles.
- 12 June One flying over in the evening and calling from
? South Creek. Begins with the "kyoww" then
goes to a strong roiling call, "kyowowowowow."
Prob. some of the other loons were this species.
- 16-17 June Singing from the far side of the lake. Occasionally
seen flying over.
- 18-19 June Occasionally flying over or calling from the lake.
- 23 June One or two pairs on Lake Agassiz, cuckling
in flight as they go over. and the two's closely
associated.

P. DeBenedictis
1966

Cavia stellata

25 June Meade River Coal Mine, 157°25'W, 70°29'N, Alaska

Ray caught a beautifully plumaged bird in his first net in the Meade River during the day. The eyes were deep reddish brown (mahogany) and the bills black, the feet brown. The legs and feet are black externally and internally on the joint, and the internal surface is blue white, becoming pale blue centrally. It is a lovely creature. frozen to be prepared later.

to 3 July.

Red throats seen frequently in and along the River, but less commonly on the lake inland, Lake Agassiz and the area across from the North dam, being exceptions. Little calling now, and the birds are very commonly seen in pairs. Total #s in the area probably about = Arctics, but they are seldom as concentrated as the Arctics were in late June.

8 July A couple on Lake Agassiz and two flying over

11 July Two on Lake Agassiz. These soon left the area

P. DeBenedictis
1965

Gravia arctica

12 June

Barrow, Alaska - one seen flying west over the Family lagoon. I didn't pick up the black back + throat, white underparts, no distinct markings seen.

13 June

a black throated bird that looked black above seen flying over the barrel area in the afternoon, couldn't see the back to check the white patches out believe it to have been this species rather than Red-thr.

18 June

One seen flying NW over Family lagoon.

23 June

One flying E over the Micronet slack much lower than the others seen.

24 June

One flying N along Elson lagoon about 2 PM.

26 June

One which gave a low, Cyprian-Tern-like "squarrk" was seen flying N over the hab and and a silent bird was seen flying S over the Voth area.

1 July
~~30 June~~

One seen flying silently over Micronet Marsh.

2 July

A pair and a lone bird seen flying over Central Marsh going NE. The pair was silent but the lone bird was giving a subdued version of the "cackle call".

4 July

3 seen flying silently together N over Central Marsh.

5 July

one flying S along Family lagoon in the evening.

6 July

3 seen flying N silently over the edge of Elson lagoon.

7 July

3 seen fly N + 2 flying S over the VOTH area.

11 July

about 8 seen in the Ikroavik region, including several birds on the water and one nest with two eggs was found. The nest was built of dead grass and was grave like in form. One parent approached us cautiously.

P. DeBenedictis
1965

Gravia ~~arctica~~ ~~arctica~~

- 10 July Barrow, Alaska - as we approached the nest but the pair remained close to the nest until we left the area. None were vocal.
- 13 July One seen flying N over Central Marsh.
- 14 July a lone bird was seen in one of the pools in Central Marsh.
- 16 July one flying south along Elson Lagoon.
- 25 July Birds both on the water and in flight in the lake area from Ikroavik south. Several pairs seen. All on the water were in large pools that provide a long runway for the birds to become airborne. One pair at the Sabine's colony examined. Not much indication of vocalizations.
- 29 July One seen out in the wet forest mangroves on the large lake in the NE part of Central Marsh, as if on a nest. Two along Elson Lagoon and two, apparently with a nest on a small island of sphagnum in a large pond, between ~~Wahschlag~~ Wahschlag Slough and Lines VII-VIII. This pair in flight made noise rather like that described for Red-thr. loons.

P. A. Buechel
1966

Gavia arctica

- 8 June Meade River (and River, 112° 25' W, 10° 24' N. 9-10 miles)
One flying over the lake up of camp during
smoke and seen in the ~~forest~~ in the S.
of the ice camp.
- 9 June Two flying over in the A.M. Two in the evening.
~~10 June~~ (looking?) calling from the far side of the Meade River
area.
- 10 June 1 or two in the large river pools in front of the village.
A few flying over in the A.M. Two in the evening.
when the river in went built up birds seen flying in flight
over head.
- 11 June A few seen in flight over head.
- 12 June A pair on the lake up of village creek in A.M.
a couple flying over in the evening. ? some calling.
"Typically" look like from the lake on village creek.
- 16 June 3 in lake Agassiz and several seen flying over.
- 17 June 2 in a small pool in the village flats and on lake
Agassiz. At least 4 on a lake on the far side of the
Meade about 2 miles N of camp, calling vigorously.
Several seen flying over.
- 18-19 June Calling on the lakes. Occasional birds flying over.
- 23 June A pair on the lake behind the CO₂ warming and
at least 3 and probably 4 pairs on the larger lake
SW of there. No calling, but the birds are closely
paired and possibly starting to nest - ? attached
to sections of the lake.
- 25 June Two in the lakes W of the summer point.
- 29 June Two on the large lake at the head of village creek

P. D. Breen
1965

Gavia arctica

- 30 June Meadle River Coal Mine, 157°25'W, 70°24'N, 41 m above
About half a dozen on and near Lake Agassiz. None
calling.
- 4 July Only two on Lake Agassiz. Apparently the big
#s from earlier were in response to ? freezing of
intermed lakes ? local food supply.
- 5 July Two on the lakes where I was collecting.
One or two near the dunes on the S. shore, but not
in the River. I suspect that they are now mostly
in the shallower lakes, and that the River is
pretty much Red-throat country.
- 8 July At least two near Lake Agassiz
- 11 July Three on Lake Agassiz, one on the N. shore
of the same plot.

P. DeBenedictis
1965

Gavia adamsi

25 June

Barrow, Alaska - a bird flying E over the Voth area silently was clearly this species as both the yellow, ~~but~~ turned bill & necklaces were seen. It seems to flap its wings slower than auctica. Two loons together giving a series of duck-like calls (cackling) were seen at close range but due to the bird movement I could not be sure if they were also this species; they flew similarly. One seen later cackled similarly but flapped a little faster and may have been auctica; in any case they are the 1st vocal loons I have seen here.

4 July One seen flying silently W over Voth slough about noon.

6 July Two seen flying separately east (one) & west (one) over the N part of Holmes' Morass. They were silent.

7 July A loon giving a series of long cackling notes — — — appeared to be this on the basis of the dark back and slow wing beat.

16 July A group of 3, with a Red-thr., and 2 alone, flew silently over Holmes' Morass to Elson Lagoon & then South (east) with out landing. The head appeared green & the bill stood out markedly.

Gavia adamsii

P. D. Benedict
1966

Gambusia

- 5 June Mouth River, Fort Huachuca, 117°27'W, 20°29'N, Sonora.
One flying over going ^{west} about 3 AM, silent. An
unidentified one seen over camp at 5 AM.
- 6 June One flying south along the Colorado River in the AM.
- 8 June One in flight going west in the afternoon with
another in the evening.
- 9 June One flying over the mountains in the morning.
Flying in the evening.
- 10 June One flying over in the AM. Another one seen
in the evening.
- 11 June One on a large lake in front of J. Day camp. Flew
off before I got to the lake shore, where the Anties
stayed.
- 27 June One on the large lake at the head of Village
creek. May fly as usual. Hope to know they
are still around.

Gavia sp.

P. DeBenedictis
1965

Loon, sp.

26 June Barrow, Alaska

3 heard, one of which was seen, from P. telko's Census plot. The bird seen seemed to be uniformly dark above but couldn't be sure, and couldn't see the bill well at all.

27 June Two were seen flying silently and one was heard in the morning near the lab and 2 or 3 were heard in the afternoon. See Arctic Loon.

28 June One heard in Central Marsh was making a goose- or crane like noise in addition to the usual cackle. See Red-thr. Loon.

29 June 2 heard, one seen, prob. Red Thr.

30 June 1 heard flying over ~~flying~~ Central Marsh.

2 July one (each) heard over Voth Slough and Central Marsh.

5 July 2 heard over Central Marsh.

6 July 2 heard over Micomet Marsh in the AM

13 July noted in fair numbers towards the lead, mostly beyond the ice. They were mostly the smaller species judging from their flight.

15 July one, prob. Yellow Billed, over Central Marsh.

20 July Several loons seen off shore in the evening mostly in a large patch of calm water. The majority seemed to be Red-thr. but one appeared large enough to be a Yellow-billed.

21 July all seen today were ~~along Elson Lagoon~~ ~~near the~~ Red-thr. was clearly seen and 1 appeared to be a Yellow-billed.

22 July seen over the Chukchek sea in the evening

24 July those seen were mostly small ones but 1 prob. Yellow-billed

25 July all seen appeared to be either Arctic or Red-throated.

P. DeBenedictis
1965

Anser albifrons

12 June

Barrow, Alaska - 2 birds together were seen flying over the Family lagoon and later single bird was seen in the same area on two occasions. The pair was vocal but didn't seem interested in staying around.

13 June

one seen flying overhead in same area as yesterday.

20 June

single bird seen flying directly ~~to~~ over the head of the salt lagoon area about 1 P.M. It showed no wing on the belly but this was seen on the flanks.

x

Anser albifrons

Meadow River Coal Mine, 157°25'W, 70°34'N, Alaska

- 21 May About 25 geese (3 groups - 12, 10, 3) seen in the afternoon, all flying over head. 1 mi
- 24 May 15 flushed from meadow about 1/2 mi E of camp; they flew off N along the Meadow R.
- 25 May 6 flew over the camp area about 1:30 PM.
- 26 May 6 flew over camp about 6 PM.
- 27 May 6 seen flying over in meadow lake about 9:30 AM and 6 flying N along the Meadow about 11. 4 seen flying over camp about 6 PM.
- 28 May At night heard 1 or 2 flying over and 1 shot was in the air; a few seen flying all times were seen at night only.
- 29 May About 1000 geese seen over the meadow during the night and some seen flying over the meadow during the day.
- 30 May Small group of geese flying about 10 AM and in the late P.M. 1 or 2 - flying over camp. No pattern to flight direction.
- 31 May Heard as the last two days. Small group seen at 10 AM.
- 2 June Small groups - mostly 2 or 3 seen flying about during the A.M. No pattern to the direction taken by groups of birds and possibly some are circling the area. Several flying about the meadow.
- 3 June A few seen flying near the village. Two seen on the flat N of the village along the river. A group of four seen about 9 PM.

Piedmont Lakes
1966

Ardea albigularis

- 29 June Meade River Camp, 157° 5' W, 70° 29' N. A lot
around together. When I went down to the
lake to the S, I counted a group of 7 birds
while most of it is together.
- 30 June Small groups about camp again.
- 1 July A group of 5 flying over Lake Thumukate.
- 4 July Scattered and in small groups, 1-2's
- 5 July No longer in the area opposite yet
to 11 July only occasionally noted. No large groups
in the area

DeBenedictis, P.
1965

Anser coenulescens

14 June

Barrow, Alaska - a pair was located along the S entrance to Ukpiuk Slough and remained in the area for 2-3 hours. First it seen on the ground in a group of Glaucous Gulls, later alone.

Chen caerulescens
?

P. H. Greenlee, Jr.
1946

Ardea herodias

- 23 May Wading River Lake, Ind., $17^{\circ}25'W$, $70^{\circ}24'N$, Ardea
3 seen flying over the camp area in the AM.
31 May 1 seen in the air about 4 PM, flying over

Chen caerulescens
?

Branta nigricans
is now

Branta bernicla

as per AOU 1998

DeBenedictis, P.
1965

Branta nigricans

- 14 June Barrow, Alaska - found a group of 4 and at least 3 scattered pairs along the shore of Elson Lagoon south of Wapik Slough. The 1st pair were in a grassy, wet pond & the others were near or on patches of grass surrounded by snow. They were silent and not much less approachable than in Marion Co. All appeared to be paired.
- 20 June a flock of about ~~20-25~~²⁰⁻²⁵ seen flying W over S toward the Baruel area about 5 PM, circling as if they wanted to land, but they didn't.
- 21 June Two seen in a gravel area near open water at the S end of M. Salt Lagoon.
- 24 June flock of 4 seen south of Wohlseh Slough in the afternoon.
- 27 June group of 3 seen flying W out of the polygonal area by lines A-B, silent except for an occasional "horrrnt" call.
- 6 July a single bird seen in a pond along Elson Lagoon not far from where McClean found a nest yesterday.
- 10 July Found the nest, which I photographed. The brooding bird was wary but did not get far away from us. The nest was well lined with down and the eggs were shockingly white compared to the other birds here.
- 11 July a flock of 5 seen flying E over Footprint Lake.
- 16 July The nest still ok but down is becoming scattered around the area. The ♀ is sicker now and gets off the nest on long, distant approach.
- 21 July The Brant ~~the~~ nest broken up, all eggs eaten.

1466

Branta

31 May

Heade River near M.C., 15 P.M., 2034 N. ...
 A flock of about 10 ... E ...
 about 1:11, ...

4 June

A flock of 20 ...
 about 5:20 A.M.

10 June

Two ...

Branta nigricans
 is now
Branta bernicla
 per AOU 1998

P. DeBenedictis
1965

Cygnus columbianus

- 28 June Barrow, Alaska - 4 were seen in flight
1st over Fresh Lagoon. They circled about
Micromet Marsh, circling this area as if to land
and disappeared in the direction of Central Marsh.
about 7:30 PM.
- 29 June a group of 4 seen flying west over USTH Slough
in the morning.
- 4 July 3 seen flying W from the vicinity of Footprint Lake.
- 11 July 3 seen on the ground between Footprint Lake
+ Ikroavik.

P. L. Trenchard
1946

Cyanocephalus

2 June Meade River, 10 mi. N. of H. 1032' N, 211' W
2500 ft. above sea level. The black about 1
mi. N. of camp, in N.H.

P. DeBenedictis
1965

Anas acuta

- 19 June Barrow, Alaska — a flock of 7 males seen flying N over S. East lagoon in the early afternoon.
- 25 June a group of 5 ♂s seen flying S over the VOTH area about 4:30 PM.
- 29 June a flock of about 8 seen in the AOM and 4 ♂s over the VOTH area in the afternoon.
- 30 June a group of 7 including at least 3 ♂s was seen on Central Marsh, where they landed in open flooded areas.
- 2 July a group of 6 rather dirty looking ♂s seen over Central Marsh.
- 5 July 3 (2 ♂, 1 ♀), out in the E, cent. part of Central Marsh, in a "grassy pool"
- 10 July about 7 were on Central Marsh, including several females, and were flocked, showing no evidence of pairing.
- 11 July one seen in a small lake near Ikroavik.

Anas acuta

- 31 May Meade River Coal Mine, $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska
a group of 7♂s flew up the creek by the village
about 11 AM. A lone male seen ~~SE~~^{SE} of camp
in the early afternoon.
- 1 June One ♂ seen in flight near camp
- 2 June One ♂ seen flying along the river near the
village in the A.M. 2 pairs were near the coal
mine in the evening, these being the first to June
seen, and a ♂ flushed from the forest part of
my census plot & during the evening.
- 3 June At least 2 pairs and a male flying about
a pool becoming exposed N of the village along
the river. Several others seen and the ♀s are
quite noisy.
- 4 June At least 3 (♂♂?) in the flats N of the village in the A.M.
- 5 June About 3♀ and 2♂ in the village flats, quite noisy.
Heard pin tail noise in the lake basin S of the South
Ridge and a ♀ became established in a pond behind
camp today.
- 6 June Still going like mad behind camp. Not many seen
flying around.
- 7 June A few pintail feeding in shadow pools by Iknoak
lake. Still around camp. more ♂s than ♀s.
- 8 June Not so conspicuous near camp. 3♂, ♀ near the South creek,
and sec. birds on the opening in the Meade R.
Now fewer pin the pools in village flats and
moving into the river inland as it opens up.

Anas boschas

- 9 June Mende River Camp Area, 15°25'N, 102°29'E. A male
a small group in the water around camp and
later 4♂s flew in. A couple of pairs near the
Mende River pools in the afternoon and a group
on the village flats. Groups of 2♂s very noisy.
Feeding in the shallow pools. A male around
the census plot and a couple of pairs elsewhere.
- 10-11 June Scattered in shallow pools and lakes, feeding on
the bottom. 2-3 x as many ♀s as ♂s still. ♂s
not so conspicuous as 1-11th as now that the
big shallow lakes are opening up.
- 12 June Now mostly in the shallows of Lake Agassiz.
Many more ♀s than ♂s. A ♂ over the census plot
in the evening.
- 16 June Several groups of males about, some of which have
lost the central tail feather. Only 2-3 ♀s seen.
Mostly in the large shallow lake basin now. One
♂ on the census plot.
- 17 June Absent from the village flats in the A.M. only
♂s seen. Ray found a nest on the far side of the
Mende River.
- 18-19 June 1 one and small groups of ♂s flying over.
- 20 June 2-3 ♂s in the polygonal area NW of the village.
- 21 June 1 over the census plot in the A.M.. A dead, eaten
out ♀ and a egg-shell, probably this species, found there.
One ♂ along the river in the evening.
- 23 June At least two ♀s and 4-6 ♂s on Lake Agassiz,
feeding in water 8-10 inches deep and grown

P. H. Greenwood
1966

Anas acuta

- 23 June Meade River Coal Mine. $157^{\circ}25'W$, $70^{\circ}28'N$. A lot of
to Acrotophila so that only their heads show. They
are the shyest of the ducks here. No sign of closely
paired birds.
- 25 June Found a nest with five eggs in the upper part of
the willow flats across from the Nest Area. The nest
was well hidden. The ♀ flushed at 30 feet distance.
A few pintails in the upper portions of the island of this.
- 29 June A ♂ in the 1st above Village Creek and some
birds in N. Agassiz were the only ones seen.
- 30 June Two ~~small~~ groups of waterfowl; they were in the
tail feathers now.
- 4 July Still many ♂s on Lake Agassiz but they are
now flushed up. A few ♀s in the area. In the
afternoon flushed a ♀ from a 7-egg nest in
the willows along the Meade, just beyond the creek
S of south creek.
- 5 July Only 1 or 2 seen on the flats opposite Nest Area
and no nests located.
- 10-11 July Now very inconspicuous. Most of the male
apparently left Lake Agassiz by 5 July and the
♀ are either sitting or are out in the tall grass
where I can't see them. No nests being shown,
and no young seen.

P. H. Bunker
1965

Aythya americana

5 June 1965 Lake Agassiz, 151°45'W, 59°25'N, Alaska
A ♀ swimming south from north ridge about
2 mi.

17 June A ♂ on Lake Agassiz.

27 June A ♂ in the largest lake in the park opposite camp.

29 June A ♂ in the 1st lake up village creek.

P. DeBenedictis
1965

Polystrota stellari

19 June

Barrow, Alaska - a pair was seen sitting by a flooded trough between S. Salt & Family Lagoon. They allowed approach to about 100 feet then took off, shortly after they returned and landed somewhere out of sight. The ♀ is almost all dark & has a heavy profile to the head & bill. The male was very white on the sides, the chestnut showing only when the bird faced us head on and the green on the head was not noticeable. From the back it looked white headed and had 2 white stripes along the scapulars; the black collar & spots on the flanks were conspicuous.

20 June

After Four pairs were seen flying out of M. Salt Lagoon (S. End) about 2:30 p and a group of 10-12 was seen over the Voth area about 4:30. Shortly after a group the same size (6 or 7) landed in a pool where two Eiders had spent the afternoon. A pair soon left but one remained behind, the ♂ of which was chased by an Eider; When the flock landed they went through bathing motions, some which appeared to be ritualized.

21 June

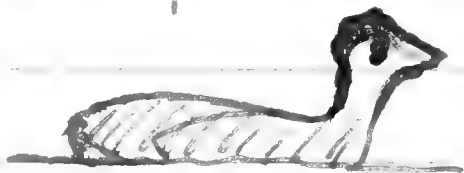
All birds seen landed and the most in sight at one time was 6 pairs. They often landed in very small pools and several were seen to hunt but on the shore. The amount of chestnut underneath is very variable. Displays seen included a head bobbing in which the birds raised up the breast at the same time extending

P. DeBenedictis
1965

Polystichia stellari

21 June

Barrow, Alaska - the neck; sometimes the bird was thrown down at the bottom of the motion. This was often mixed with pattering motions and done by ♂♂ + ♀♀ and on and off the water. The alert posture is.



and they have a cool-like changing posture given by birds in flocks; ♂♂ to ♀♀, to ♀♀, and vice versa; some loaves were fairly extended. The only noise heard was a short muffled-like "quack" from ♀♀ and a whistle from the wings when they flew.

22 June

9 pairs and 2 ♀♀ were seen near Britton's area - 4 pairs in the low area N of the Beach Ridge, 2 pairs + 2 ♀♀ in a pool S of the Beach Ridge and 3 pairs flying over. Then a group of 2 ♂♂ + 4 ♀♀ was continually harassed by jaegers, the jaegers forcing them to move until the flock flew off and returned to the same pool, where on the whole thing was repeated twice. Scattered yesterday as well; the warning display is given by both sexes in what appears to be a gressive connotation, usually when another pair moves close in. It usually takes the form on the water:



23 June

a lone ♀ seen flying W over the banel area and a ♂♀ seen flying W over the S Port Family togoon; 2 pairs of sides (♂♂) seen over both sloughs as well.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

2.

P. DeBenedictis
1965

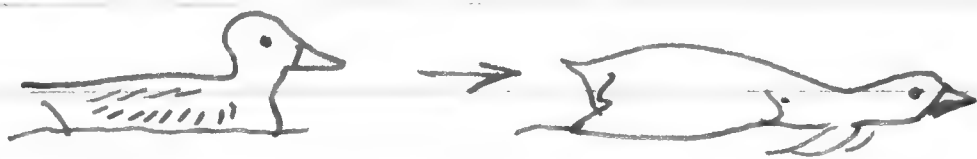
Polystheta stelleri

- 24 June Barrow, Alaska. - saw 4 pairs out in flooded parts of Central Marsh and 2(?) flying near the mouth of Woh (slough) in the afternoon. The pairs in the marsh indulged in considerable head bobbing, and were in rather shallow water (> 6" deep).
- 25 June at least 5 pairs were in Central Marsh feeding in shallowly flooded areas opposite Pitelka's census plot and a 6th pair was seen flying along Elson Lagoon. In the afternoon a pair was seen near the Miter-net area, 3 pairs (1+2) flying over the Woh area, and 5 pairs (+2? reports) between trap line #A-B and the FAAC tower; the bobbing display and charge were seen on several occasions; the feed by tipping and one pair was heavily mated with cuttings.
- 26 June Only saw 2 ♂s in central Marsh today.
- 27 June Two pairs were seen on rapidly-flowing VOTH Creek and 3 more pairs out in Voth Slough which is quite flooded. 2 pairs were seen in the VOTH area and 2 pairs in the now much-reduced pools by the FAAC tower. little display
- 28 June 2 Pairs on a pool in Micromet Marsh.
- 29 June 2 pairs seen near the FAAC tower and 2 ♂s near Micromet Marsh.
- 30 June found 7 ♂ and 4 ♀s in Central Marsh plus a recently shot ♀ and 2 ♂s in Micromet. little display.
- 2 July saw 2 ♂s in Central Marsh and 2 ♂s at Micromet Marsh.
~~and 2?~~

P. DeBenedictis
1965

Polysticta stelleri

- 4 July Bauvois, Alaska These seen were in loosely associated pairs except 2 ♀s in S Meadow Lake; they were seen in the VOTH area, VOTH slough and the area around Meadow Lakes.
- 5 July Only one pair seen in Central Marsh; they are scattered in the VOTH area. In the evening a ♀ was seen dipping for food in a pool about 6-8" deep.
- 6 July A pair in a small pool at the north interval may be indicative of the progress of the season. The ♂ was about 30 feet from the ♀ when I approached and flushed, landing close to the ♀, which began chasing the ♂ away. The ♂ occasionally tried to retaliate but was always beaten back by the ♀. The fight consisted of irregular alternation of "head up", a charge in which the head was thrown down and forward and the wing was slightly opened.



and a bathing motion in which ~~the~~ water was thrown over the bird's back with a circular motion of the 1/4 opened wings while the attacking bird moved toward the other. They were silent. 2 other pairs were seen along Holmer's Marsh and one in Central Marsh; of each the members of the pair were not closely associated.

- 7 July A pair closely associating in pools near AAC5 and 2 ♀ in the VOTH area.

- 8 July None of those seen today were in pairs, but rather as widely separated individuals. ♂s not noted in VOTH area.

P. DeBenedictis
1965

Polysticta stelleri

- 10 July Barrow, Alaska - there was a group of 4 ♂♂ in the area between the two meadow lakes and at least 10 ♂♂ in a group in Central Marsh. A ♂ and ♀ were loosely associated in Holme's Morass but all other ♀s seen were alone. A 5 egg nest on Pitelka's plot was seen, the nest rather exposed except as the duck sat on it and lined with black down. The ♀ sat very tight but went straight off when she was approached closely.
- 11 July 5 ♂♂ were seen together on Footprint Lake and 3 ♂♂ together in the slough at the N end of Ikroaitik. A few lone ♂♂ were also seen. only 4 or 5 ♀s were noted and a 6 egg nest, poorly down lined, was found along the NW shore of Ikroaitik.
- 12 July 2 pairs seen flying in from the west along the lead in the evening.
- 13 July a group of 13 ♂♂, which dove simultaneously, was seen in the lead about noon and 3 ♂♂ with a group of oldsquaws were present later on. ♀s seen were on the tundra.
- 14 July A group of 3 ♂♂ + 2 ♀s in Central Marsh. The nest on Pitelka's plot with 5 eggs, that between lines I & II with one egg and a 6 egg nest SW of the line on a ridge between two polygons ~~was found~~ today.
- 17 July ♀ feeding in the creek in UOTM slough.
- 20 July ♀ near a pool S of S. Meadow Lake; the 1 egg nest near ~~21 July~~ line II broken up but the egg still in one piece, and 10 bird in - house.



P. DeBenedictis
1965

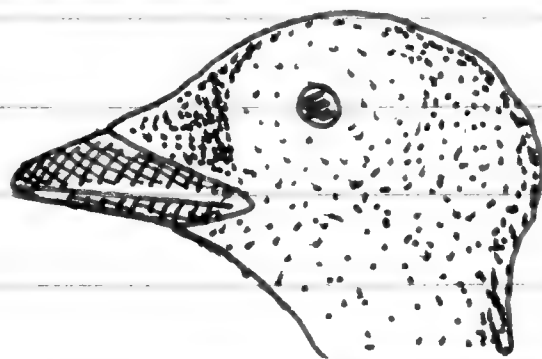
Polyslicta stelleri

- 21 July Barrow, Alaska - the 5-egg ~~nest~~ on Pitelka's plot o.k.
- 22 July ♀ in UOTHL slough.
- 23 July ♀ sitting on nest on Pitelka's plot.
- 24 July ♀ on 6 egg nest (see 14 July), ok. when approached see got up and noisily tried to lead me away, almost giving a broken wing at first - the wing was flapp in a circular motion as the bird ran off in a crouch. Later she only ran off, grackling, and flew when we got close, but only short distance.
- 25 July Two flocks of about 13 females and several groups of 2-4 were seen in the area between Ikroavik and Sengavak. They preferred small pools with grassy bottoms and fell along the edge.
- 27 July 3 ♀s seen along the Chukchi sea in the evening, flying east.
- 29 July ♀ gone from Pitelka's plot and the rest being scattered all over the area. ~~The~~ ^A ♀ with 5 downy young on a pool in the SE part of Holmes's Morass. The ♀ kept them in the tall grass where they were hard to see. The young stayed near the ♀ but lined up behind her when the ♀ swam. The young were very dark gray and had a little light coloration about the eye like the ♀s do, but proportionally larger in area.

P. De Benedictis
1965

Somateria fischeri

29 July Barrow, Alaska - found 4 ♀s, one with 4 young in a large pond grown with a tall red grass so as to hide the birds when they were in it. The 4 young were hard to see as they stayed very close to one of the ♀s and swam in a  or  formation. They appeared dark. The other 3 ♀s stayed in the pool but did not remain near the young once flushed. They looked like the other eiders of this genus when in flight, the facial pattern being hard to see. The field guide marks are not very good as the spectacled effect was all but nil. The bill shape was easy to see; the head was ~~lighter~~ ^{lighter} than the ~~body~~ ^{body}, which was finely scaled by coarse blackish crescents and the head pattern was:



P. D. Reedich,
1966

Comptaria Borealis

- 5 June Meade River road, Meade, 15° 55' N, 100° 4' W, 4. miles -
a ♀ seen flying up at 10:00 P.M. about
the eye appearing dark and egg mass
very dark initially. The appearance of the 4 other
conspicuous than the 5 to 10 seen at same.
- 7 June a ♀ ? flushed from nest. In the same area
at of about 10:00 P.M., 15° 55' N.
- 9 June 3 ♂s going SE 9:10 to 10:00 P.M.
- 10 June a pair with 1st, 2nd on the Meade River
and 1st seen several groups, 2 to 8, seen
going south along the Meade. No nest.
- 21 June A ♂ flying N along the Meade River.
- 3 July Flushed a ♀ from a well lined nest in
a grassy Sphagnum-deyke in the lake area opposite
North dunes. The eggs look like King Eider eggs.
The ♀ went far off and made a grunting
call, but wouldn't come back until after I
had left. Didn't see her until I nearly stepped
on the nest.

P. De Benedictis
1965

Somateria spectabilis
King Eider

11 June

Barrow, Alaska, - a flock of about 25 eiders, all the males of which I identified were this species, flew west over the AKL area about 9 PM. About 1/2 the flock was of all-brown colored birds.

12 June

saw a flock of 30± eiders flying N from the Central Meadow to the AKL area about 9 AM and a flock of 125± flying east over the VTH area about 3 PM, both groups entirely or all of ♂♂.

13 June

a flock of 25, about 1/2 ♂♂ seen flying east over the havel area about 1030 AM, and a flock of 12, 1/2 ♂♂, seen flying SE over South Salt lagoon about 230.

21 June

a single drake was closely approached & it sat on the snow in a pool at the S.W. end of M. Salt lagoon and a pair, probably this species, was seen flying E over the S part of M. Salt lagoon. The ♂ of the pair was definitely this species and appeared to have a dark back.

26 June

1 ♂ flying W over the N part Central Marsh with a flock of Oldsquaw.

27 June

♂ flying N then W from over Family lagoon; I looked a little dark speckled on the breast.

29 June

A flock of 30± ♂♂ seen flying W over Micromet Marsh in the evening.

4 July

A flock of about 30, 1 ♀ only, seen flying W over VTH stretch.

5 July

a single drake sitting out in the middle of central Marsh.

6 July

7 drakes seen flying (W) along Elson lagoon. See journal

8 July

a lone drake was seen in the outlet from Family lagoon

P. H. Benedict

1965

Somateria spectabilis

- 8 July Barrow, Alaska - where it dipped for food items and two flocks of about 25 chicks were seen flying NW along Family lagoon.
- 12 July ~~Two~~ flock of about 125 ♂s seen flying W over the hub area in the late afternoon.
- 16 July About 4 flocks of ~ 100 each seen flying west along Elson lagoon. There were 1 or 2 ♀s in each flock and one ♂ in advanced eclipse was seen although most were in good plumage.
- 17 July A flock of 125 ± 25 flew over the lab.; mostly birds in brownish plumage.
- 20 July Several good sized flocks seen near duck camp in the evening.
- 21 July They are coming past in good ♀s, and have changed form somewhat as there are a few mixed (with molissima) flocks. A few - 3 to 5 - ♀s were seen and some of the ♂s have pretty dirty heads.
- 25 July Two and probably 3 ♀s seen, one along the west border of the large lake south of Ikroavik and two with a flock of Steller's in a small lake near the old gas well. They were not strongly barred and the face was lighter than the crown; the frontal shield was moderately long.
- 26 July 2 ♀ in a pool near line III A.
- 27 July Those seen flying east; some eiders far out going west
- 28 July Tried to photograph a ♂ along the edge of the chickchi sea, where it was diving for food.
- 29 July A few (3-4 ♂s) on the ice at Elson lagoon. most in flocks going over. Not more than 5% ♀s.

DeBenedictis
1962

Somateria spectabilis

- 16 May Barrow, Alaska. a flock of 8 pairs seen flying ~~west~~ over the FAA tower and about 3:30. Nice to know a few birds are around.
- 5 June Meade River, Alaska, N 70°25'W, 150°29'N. Alaska. A group of 8 ♀, apparently this species, went over going E about 7 A.M.
- 8 June A ♀ in the Meade River south of the census plot, sitting on the ice along shore.
- 10 June A pair flying south with a pair of ~~uncertain~~ and later a group of 4 ♀ going south about noon.
- 16 June At least 3 ♂ and 2 ♀ in Lake Agassiz. 2 (South part), swimming about and clearly associated.
- 17 June A ♂ in Lake Agassiz.
- 23 June 4 ♂ still in the Lake Agassiz region. two ♂s standing on sphagnum dypes in the lakes and 2 ♂s together on a dyphe in one of the small lakes by the census plot. Found a poorly lined nest with 7 eggs, the ♀ sitting until I got to within 6 feet. The eggs are olive, like Oldsquaw and Steller eider eggs.
- 30 July Rodger and Ray flushed a ♀ from a nest, which Rodger said had ~~half broken~~ egg. Couldn't find it again later.
- 4 July Couldn't find any Eiders in the lake.

P. DeBenedictis
1965

Somateria mollissima

- 13 June Barrow, Alaska, - a flock of about ~~150~~⁷⁵ birds was seen flying west over the Oval area about 3 PM. The flock was of about 34s ♂s.
- 12 July A group of about 150 was believed to be this species but could have been Spectackled.
- 13 July A group of 250 ± 25 ♂s seen flying west over the Fresh Water area in the morning.
- 15 July a flock of 14 ♂s seen at close range over Holmes' House. They looked like snow geese at a distance, from their white fore parts and the very goose-like flight.
- 16 July A group of about 75-100 (and 3-4 lone) ♂s seen along Elson Lagoon flying west.
- 21 July Several small groups and one large flock along Elson Lagoon. 3 King flocks contained single ♂ Commons (2) and 2 ♂s of this species. The large groups were all ♂s.
- 24 July Those seen today flying east along the Chukchi Sea.
- 29 July Many seen in small lines as part of King Eider Flocks and several obviously well into Eclipse plumage seen.

Somateria mollissima

P. De Benedicis
1965

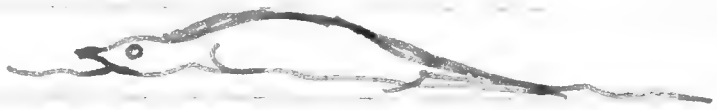
Clangula hyemalis
Oldsquaw

- 10 June Barrow, Alaska - 125⁺ birds were seen fly over the ARH area about 8 PM from west to east; they were well up in the area, about 1/2 ^{close together} σ^7 s, and not paired in the V they formed. The V's, ^{close together} were of 20⁺, 2 of 10, 1 of 3, and the rest in a long W-shaped line; there was a tendency for birds of one sex to congregate in the lines and the flock sounded like Brant in the distance.
- 11 June saw a flock of about 75 flying east about 9 PM and a group of 15 unidentified ducks, prob. this species, about 7 PM.
- 17 June flock of 125⁺ seen flying ~~E~~ along the ice in the evening about 7:30 PM.
- 18 June flock of 100⁺ flying E along the ice about 5:00 PM.
- 19 June Saw a pair flying E low over the VOTM area in the late evening; during the afternoon heard 3-4 flocks of ducks, probably this species, flying high over the cloud cover.
- 20 June. 4 birds were found in a pond between St M Salt lagoons, where they remained all afternoon. When 1st found a little courtship was seen, involving head nodding and the usual flight calls. One of these birds, a σ^7 is still in transition from winter to summer plumage and really looked odd. Additionally a flock of 3, of 2 and of 2 γ were seen flying over this area and many hundreds were seen flying east off shore. In the afternoon a flock of Steller's Eiders landed in the lagoon and the σ^7 Summer Oldsquaw chased the σ^7 Eider in a

P. DeBenedictis
1965

Clangula hyemalis
Oldsquaw

20 June Barrow, Alaska, (cont.) two coot-like postures:



as I have seen also in Hareldaun Ducks. The chase continued until the Eiders moved to an unoccupied part of the pool. At one time when both pairs were together, both ♂♂ chased one female; they later separated more or less separately.

21 June Up to 5 pairs in the pond where we saw them yesterday, and 3 pairs (possibly some duplication with the above) in open water at the S end M. Salt lagoon and 2 flying over. There was some diving in flocks and a little head rearing. At least 4 of the ♂♂ were in transition from winter to summer plumage, one more in winter than summer plumage.

22 June 4 were seen in the usual puddle and a pair were flying E over the tundra area.

23 June a pair were seen in a small melt pool in the marshes at the thicket but didn't stay around.

24 June flock of 29 seen flying E over the thicket and about 1030 AM. A pair was seen on a puddle near Wohlshlag and a group of about 20 were seen flying E in the same area in the afternoon.

25 June Only 2 pairs seen in the pool near M. Salt lagoon were found; both ♂♂ in transition plumage.

26 June a flock of about 18±3 seen flying W over a part of Coastal Marsh in the evening with a ♂ Eider.

P. DeBenedictis

1965

Clangula hyemalis

- 27 June Barrow, Alaska - Two small flocks, (10+15) seen flying W over the Baruel area in the morning and a flock of about 100 out over the lead, and a ♂ was on the pool as usual and 2 ♂♀ and a lone ♀ were seen in the VOTH area.
- 28 June Two seen in flight over Miconet Marsh (again).
- 29 June A pair seen in the polygonal area by N. Meadows Lake and another ^{pair} seen in the usual pond by Salt lagoons.
- 30 June two pairs and a lone chick on Central Marsh.
- 2 July 2 pairs seen on Central Marsh, ~~one~~ ^{one} of which was flushed from the S part of Holmes's Morass, and a pair seen flying over Miconet Marsh.
- 4 July a lone ♂ seen in VOTH slough and pairs seen (each) in the stream at Foot Point, in the polygonal area SW of VOTH sloughs, S of Meadows Lake, and in Central Marsh. One pair was fairly noisy.
- 5 July 3 seen in the lead and one on the usual pool near Family lagoon in the evening; one in central marsh in the afternoon.
- 6 July There were two pairs in Holmes Morass, about 9 in the open water at the end of Wohlsehag Slough and 2 diving took in the slough, and a flock of 6 ♂♂ was seen flying W over Central Marsh.
- 7 July a flock of 12 seen over Miconet going SE in the A.M. and a single in flight near the VOTH area, 2 in VOTH creek.
- 10 July a pair was seen in Holmes's Morass and 7 ♂♂ in Wohlshag slough. There were a ♂♀ and two lone ♀s in the Meadows Lake area. No nests found.

P. DeBenedictis
1965

Clangula hyemalis

- 11 July Baudo, Alaska - a few lone birds, both ♂s + ♀s, were seen on small pools in the Ikroavik region but the great majority were in scattered groups of mixed sexes on the two large lakes W of Ikroavik. The dove freely for food and several were seen foraging in broken ice fields on the lakes; they were able to take off with a very short run.
- 12 July Present in large numbers along the open water of the ocean. Two groups of over 100 birds, of mixed sex, but predominantly ♂s, were seen, and birds seen in all states of plumage, one ♂ in pretty good winter plumage. Several flocks of up to 15-18 ♂s were seen in flight.
- 13 July Increased in numbers from even yesterday along the lead.
- 14 July Less evident along the lead. Only one ♀ seen in the Meadow Lakes area.
- 16 July A few small groups along the ice in Elson Lagoon and 7-10 in Wohlsehlag. They do not give the impression of migrating - rather just moving about in areas of open water.
- 17 July All seen were along the lead or flying over the lead.
- 20 July A group of about 20 ♂s in N Meadow Lake and several small groups seen in the ice off shore, the largest about 20. ♂s predominated, about 75% of the total. One was riding along on the ice as well as could be, and many of the birds were on the water.

P. De Benedictis
1965

Clangula hymenalis

- 21 July Barrow, Alaska - a few birds seen in the water along the ice on Elson lagoon and a few birds flying along the Chuckchi Sea. One dead ♂ found on the beach Ridge.
- 24 July Those seen all along Chuckchi Sea except 3 in Voth Creek.
- 25 July Flocks of up to 25 in the larger lakes South of Ikroavik but very few on or around small pools, these mostly females. The lakes were ice free and the birds stayed fairly well out. A nest with 5 eggs was found on a relatively dry mound of peat. The ♀ sat until we were about 7 feet away, then went off silently. The nest was straw-lined with little feathering, and the eggs paler than a steller's eider.
- 29 July A group of ~73 near the ice on Elson lagoon opposite Wohlshag, of about as many ♂s as ♀s and 1 ♀ on Holmes's Morais near the large pools at the SE end, where it may have a nest. The flock of the water was rather noisy.

Unguisia longirostris

- 31 May Meade River. Loc. 11. 15°25'N, 73°24'W. Hawk
A flock of 30+ seen flying N along the Meade
well up in the air about 10 AM.
- 8 June A group of about 10 flying well about 2 AM and
later 3-4 ♀ seen going in and out of the lake and one
group of 4 ♂s. all in flight, the large flock just rising.
- 6 June Small groups - 5+ - and pairs occasionally flying
part most of the day. Some are fairly noisy.
- 7 June A few small groups, mostly ♀s, flying over
the lake. In the Meade R. some are seen in the
lake in the large pool. In the morning some are
in the small pool. About 2 AM, a group of 4 ♂s
plus 1-2 ♀s later. A noisy movement of pairs
and one group of 3 ♂s going SE in the evening 5-10 PM.
Birds noisy (singing) as they come by low on the ground.
- 10 June Large groups opposite the village in the Meade
in the A.M. - about 10 AM. Some are seen in the water
adjoining and some in the creek in the evening.
Few ♀s flying over. Noise - "con con aa" -
and ♂s seen flipping up part of the day.
- 11 June About a dozen in some creek and some in the
large lake which are flying p. ♀s flying about.
Still noisy and noisy but not so noisy as before.
- 16 June Widely spread out no groups in the small lake
around here. ♂s still well associated.
- 17-18 June do. ♂s well associated & none evidently on
nests yet.
- 19 June Several lone ♂s seen flying over the census plot.

P. D. Benediktson
1966

Oreogadus hypenoides

- 28 June Meade River Coal Mine, 157°25'W, 70°29'N. Alaska
There is much σ^7 chasing on the river and in the lakes, but
 σ^7 s still clearly associated in most areas. No nests seen.
- 27 June There were 4 pairs in the large lakes ~~opposite~~
flats opposite ranges. The σ^7 s were chasing but no
nests.
- 29 June Very scarce inland, not seen except in
L. Agassiz and a σ^7 in the 1st lake up village
creek.
- 4 July Most seen were lone males out on the larger lakes.
One pair on Lake Agassiz. Still ~~haven't~~ ^{haven't} found
any nests.
- 5 July 2-3 σ^7 s in the flats opposite North dome, a σ^7
in the river in the evening.
- 11 July Up to now very inconspicuous and occasional
lone σ^7 s or lone σ^7 s seen by some of the lakes.
A group of H birds including both sexes in
the large lake near the junction of Smith
Ridge and the Meade River. The 1st group I
have seen in some time. Still can't find any
nests.

1965

Falco peregrinus

10 July Barrow, Alaska - a lone bird in somewhat worn plumage seen flying west over the polygonized ground W of N Meadow Lake. As it flew over it was attacked by each successive pair of jaegers, and appeared to have a rough time avoiding them. It didn't stay around long, needless to say.

17 July One flying N over the VOTH area and attacked by jaegers as it crossed the jaeger's territories. It was more spotted below than the 10 July bird and the entire trailing edge of the wing & tail tip was distinctly frayed.

21 July One similar to the last bird seen flying south along the shore of Elson Lagoon - it seems to have finally found a place where the jaegers leave alone!

DeBenedictis
1966

Lagopus lagopus

22 May Meade River Coal Mine, $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska

Saw my first Ptarmigan walking through the middle of camp ~~today~~ ^{Today}. They are impressive when they fly because it looks like two birds. ~~Hiking~~ ^{Hiking} about ~~in~~ the AM I saw one lone bird and later in the afternoon found $15 \pm$ roosting and feeding in the cut train tracks where the tundra is exposed. Their prints and droppings are all around here and there are evidently most numerous around camp and near the native village. Saw $50 \pm$ being shot at by natives near the native camp. About 4:30 when you figure out what to look for they are really easy to spot in spite of being pretty odd.

23 May Back in camp today. There appear to be two sizes, a large one which is deep red brown on the head and thus uniformly colored except on the face of some, and a ~~smaller~~ ^{smaller}, paler-orange brown variety which is not nearly as completely mottled as the others. These birds come through camp at intervals in the A.M. and at the mid after-noon to early evening period, feeding as they go and they seem to be especially attracted to the disturbed areas around camp. Ray shot 4 about 2:30 and I decided I had to find out what they look like so... They are quite dimorphic and the large dark ones are ♂♂. They are eating

Hugo p. 2

23 May

Meadell River Coal Mine, $157^{\circ}25'W$, $70^{\circ}24'N$, Alaska
yellow buds and green leaves, ~~prob. hatching~~ Dryas
and Laccinimum; the bud eating is evident from
examination of the bushes there, which are all
stripped clean. The molt is dimorphic, the
 σ 's further along than the fs . Saw a single
 fs these 4 birds. Ray later shot 4 others,
which I weighed and checked for molt
only: σ , 622 gm., heavy molt head and neck,
moderate molt scapular tract. body & wing -
no molt; σ , 614 gm.; molt as above;
 f , 540 gm., mod molt (short feathers), scapular &
upper tail coverts, heavy molt head and neck;
 f , 526 gm., heavy molt (large feathers) head and
neck, (small feathers) back & upper tail
coverts; mod. molt scapular tract, median
and greater 2^o coverts; light molt in ~~feather~~ ^{vestibular}
tract and neck. These birds are also strongly
dimorphic by the develop of the supraorbital crest -
well developed in σ 's, only a trace in fs . Saw
a brief bit of courtship in which a σ faced a f
with body erect and the tail spread and
tilted to ward the f . When the birds are
shot at they get up and fly about 50
yards; otherwise they try to move by
walking off rapidly, which they can do.
They are, however, fairly tame in spite of all
the shooting that's going on now.

(see by
plumage)

Lagopus lagopus 23

25 May

Meade River Coal Mine, 157° 25' W, 70° 29' N, Alaska

9 birds shot last night and frozen near weigh:

♀, 578 gm, moderate-heavy molt, head, neck; light molt
upper tail coverts ^{ant.} & ventral tracts.

♀, 511 gm., heavy molt head and neck; light molt
upper tail coverts, ant. ventral ~~tract~~ ^{and scapular} ~~tract~~ ^{tract}.

♀, 494 gm; molt as above.

♂, 660 gm; heavy molt head and neck, light molt
scapular tract.

♂, 626 gm; heavy molt head and neck, light molt scapular
tract.

♂, 615 gm. heavy molt head and neck, light molt, probably
moulting, light upper 2nd coverts.

♂, 602 gm, heavy molt, head and neck only.

♂, 690 gm., heavy molt head and neck, light molt scapular
tract and upper tail coverts.

♂, 614 gm., heavy molt almost complete, head and neck; light
molt scapular tract.

When I went to get these birds, there was a lone
male over camp, which flew off. A group of 5 ± 2
on the far side of the Meade River, feeding in
semi-open areas. He is in all the other flocks here,
the sex ratio is nearly or exactly 1:1.

26 May

a ♂ and 2 ♀s around the camp were the
only ones noted today.

27 May.

Groups seen today included 4 ♂ 2 ♀ near camp
in the am plus two groups of about 7 and 15,
with 2-3 ^{more} ~~or~~ ^{more} males than ♀s in each group.

lagopus lagopus 24

27 May

Wheat River Lake, Nov. 15° 25' W, 70° 21' N. Alaska.
in the flats N of the village. All seem
to be feeding in the open spots where *Pryas*
los. are plentiful. The males are now a little
coral when they flush, which has not been
the case always, and some have the eye
combs conspicuously inflated. About 1/2 of the
males have conspicuous dark patches coming out
on the back neck, but the 1/2 don't seem to
have changed much. They are still mostly
single. In the morning a group of 2 ♀♀
and of 2 ♂♂-5 ♀ seen near camp, west along
the Meade. A smaller one in the air of
a group ~~as large~~ as there are several, and
when one bird flushes, the whole group goes.
They appear to come in the sun.

28 May

Birds seen today were predominantly *P. lagopus*.
The low area N of the village was being utilized
by this species wherever there was low vegetation
4-6" high. Intermixed with grass in the siltier
polygonal areas; there was no *Pryas* here
and I believe birds were taking yellow *Pryas*.
Some of the *Pryas* are a little coral but this is
not much obvious coloring.

29 May.

The birds seem to have almost completely set
up and to be very little disturbed. Much
calling by males in the AM and from 5 to 10 PM.
Birds were also in the evening - *Pryas* were

Lagopus lagopus - 5

29 May Meade River Coal Mine, 157° 5' W, 70° 24' N, Alaska
as before.

30 May Only a few birds noted but they are here very
early. Mostly some males were seen but I found
a lot molting the outer tail feathers were gone while
inner ones were coming in. I found a lot of
them on the ground. The males were in the habit of
singing as the birds sang. I called birds were
very noisy ~~from~~ about 10:30 to 11:30, but were
long bursts between calls. Only one I saw.

31 May. Birds are now gathered out and were quiet
most of the morning though noisy during the middle
morning.

1 June. The only one seen was quiet, ~~molting~~ ~~about~~
to the ground. No birds in the air. A few
females were in the air. A bird, seen,
found about 10:00 in back of camp and was
seen by the Eskimo guide. One was seen
on the ground about 1:00 pm. The females
of the species and the males of the same
species, but the males were not seen.

2 June A few birds were seen scattered along the
cliff along camp. No birds were seen in the
air one place near the village. Little investigation.
Saw one male but thought the could be up flight
and call. When I jumped a bird was seen.
The ♀ flew off first, bringing down a lot of
♂s; the other ♂ stayed a while. This was the

Polioptila caerulea - ♀

2 June Meade River at this, 15°25'N, 71°29'W, almost opposite direction. When they decide to fly, these catters can move. They seem to be taking winter buds more than anything else, and are usually in low personal areas. They are also simultaneously spread all the way south of camp, the ♀ being widely separated and usually not displaying a little, and the male is in the air. Not much movement all day long. The birds in the air were when there is movement.

3 June Still nothing. A female was seen in the air this AM, with a ♂. After about 4 pm, the male got up. The female was feeding on the ground, and the male was getting. Twice - once in the AM (10:10) and in the PM (1:14). A ♀ and a ♂ were seen moving about camp. The ♂ was carrying the chicken and the ♀ was carrying the chicken. Both seem to be moving. I saw a pink red near the "camp" but the source. I got 4 of the birds appear to be prices but none are under the plant. I saw at 7 miles, 2 km. of water being in a strip 2-3 m. wide, and about 12 many 3-5 ft. They were pretty well stopped the water of buds by none.

4 June Little activity in the AM. Birds eating, ?Lepus and Wilson

P. DeBenedictis
1966

Lagopus lagopus - 7

5 June Mechu River Coal Mine, 157°29'W, 70°25'N, Alaska

The local birds were fairly quiet until about 2 AM when most of the ♂s started cackling. The ♂s sleep out in fairly exposed areas. The density appears to be about 1 pair / 50 acres of tundra ground and the birds move into the lower stuff as it becomes exposed. Most males are associated with a ♀, as group. The ♀ around camp has seemingly completed its molt now, but the ♂s have many ways to go.

6 June Very quiet today. The ♂s fairly well along in molt and the ♂s stationed widely. One singing from top of a building in the village. The hens are getting shy but the males are still very conspicuous.

7 June I saw two birds in this afternoon but found two kills in the foreground and between the village and its outskirts. Both were piles of feathers on the ground, including intestines, but no wing skins.

8 June The ♂s are not so noisy as before, the ♀s much shyer, as the molt 2-3 days. Often get right up to the ♀s before they flush. The ♂s then come in and sing, the eye-comes inflated. Found a full wing skin completely cleaned behind camp and 1-2 kills on the village fence. Not many around, pop. density 1/50 acres.

- 9 June Meade River Camp N.M., 157°25'W, 33°28'N. Went to the sand bar looking over camp about 8 A.M. A few on the bar but none the village. The 1st on the bar and the 2nd on the point just out of the village. Both were *Leptogaster* thence. Most of the day was very hot and the 1st was not very active. The 2nd was more active after 2 P.M. A little activity in males after 7:30 P.M. One group of 3's went to the plot, one apparently dominant. Not much activity. They often are very close to the sand bar in winter clumps.
- 10 June The weather was hot and dry. A little activity when I got down. In the morning saw 3's together and heard some activity after about 11 A.M. Saw 2-3's were much more active. They just started to move.
- 11 June The weather was hot and dry and there is a high spot in the sand bar in the village. A little activity but not much.
- 12 June Found a nest with 2 eggs under a willow. The nest is not lined. The 2 eggs are at low range. The eggs are blotched red brown and hard to see. Most of the local *Thamnion* shot by skinner from the village today; including the 1st on my camp plot.
- 16 June Little in evidence until late evening. One still on the river A-frame.
- 17 June A ♂ on the W side L. Agassiz opposite the CO₂ warigan but couldn't find the nest. 2-3 ^{the} ~~new~~ village. A ♂ on the far side of the Meade 2 mi. N. of camp.

Lepopus logopus

- 14 June Mead River Coal Mine, 157°25'W, 70°24'N, Alaska
Steve said the nest I found 12 June now has 8 eggs,
and he found a 2nd sitting ♀ near the census plot.
- 20 June We went to see the nest near the census plot.
The ♀ was sitting and allowed approach to 5 feet
without flushing. Not checked. ♂s still cautious
and some are obviously beginning the back molt
(scapulars) now.
- 21 June A ♂ still near the mine, and ♂s well spaced
along the river. Nest territorial system seems to
be breaking down as ♂s trespass a lot, and
more "fighting" than before. Still good "courtship"
flight and calls. Most ♂s have dark scapular
showings.
- 23 June The nest on the far side of Lake Agassiz now has 9 eggs
and the ♀ continues to sit, really as tight as the
♀ near the census plot. Two ♂s seen during the
trip. No display.
- 26 June Ray says the nest by the census plot has 8 eggs.
- 27 June 2-3 ♂s on the flats opposite the river, still cautious
a bit.
- 28 June A ♂ came into camp and landed in front of me.
It didn't stay around for me to catch it.
- 29 June Only notes near Lake Agassiz.
- 30 June The nest near the census plot ok. 9 eggs.
The ♀ sitting so tight I can touch her. But she
flees up and hisses when I approach and
charges when I touch her.

Lagopus lagopus

1 July Meads River Coal Mine, 157°25'W, 70°29'N, Alaska

found a nest with 12 eggs on the V. Hage flats. The ♀ flushed at 4-5 feet and ran off into the willows by the river and down. The ♂ came up but stayed fairly far away from me. The ♂s here are starting to get brown backs now.

4 July The ♀ still on the nest by the census plot. When I first flushed her, she gave a fierce threat display, the tail cocked and fanned and the wings partly opened and drooped, the bird hissing at me. She ran in front of me crouched to the ground just far enough away that I couldn't catch her and led me 50-100 meters away.

5 July Saw 2-3 ♂s, all alone, along the river in the willows, opposite North dunes. All very brown on the back, and no "sang" much. In the evening saw one with more white on the back and still singing from a prominent perch on the river bank, or is no longer the case near camp. Art McKee said he saw a ♀ with at least 8 chicks (? flushed from a nest), and that the ♂ was still present but wouldn't come as close to him as the ♀.

6 July The ♀ by the census plot still incubating. When I got near she gave a brief but poor distraction display. When I tried backing off she would jump up and fly at my head and Art's head. She hissed

Lagopus lagopus

7 July Shade River Local Hike, $152^{\circ}25'W$, $19^{\circ}27'N$.
a lot under the tree but to be put in "then we
went off, she came down of us for about 50
meters, then went back to the nest where we
watched many from here.

8 July Flushed the ♀ from the nest by the river plot
near the W end of Phil's transect. She gave
a strong threat display. She sat in a clump
of willow and wouldn't move. Couldn't see any
chicks nearby. She was obviously bothered
by mosquitoes, which were all over her head.
When one crawled on her bill, she ate it. She
doesn't shake or scratch like Lagopus and her
body feathers are evidently thick enough to
protect her. Later flushed a ♂ from a
clump of Salix pulchra on a silted slope by
the edge of Lake Agassiz. It was covered with mos-
quitoes on the head, but the body didn't seem to be
attracting much. It was sitting when I found it,
but got up and walked off, shaking its tail
nervously, when I left, without challenging me.
The nest here was full of shells, and two eggs remained.
I opened one of these but found only yolk, and assume
the other was also infertile.

11 July Flushed a ♀ from a thicket in Euophanes-
Can area near south ridge. The ♂ soon
went off, but the ♀ gave a low intensity threat
display and remained in the area. I searched

Y. D. D. D. D. D. D.
1966

Myiophobus corymbosus

11 July

Meads River Camp, 150025'W, 70°22'N, Alaska
for chicks but didn't find any. The ♀ gave
a weak distraction display, a crouch with the
wings slightly drooped and head turned toward
the lake basin S of Lake Agassiz. In the evening
perched a ♀ near the net on the census plot.
Was sitting on 7 or 8 chicks. When I went up
to take a photo, she suddenly flushed and
off radially away from me.



cheeping loudly. The voice of this is confusing,
a predator was clearly evident, for it was
evident to follow a particular chick. They
went off about 30 feet this way. It took
about 10 minutes for us to find one after this.
When I picked it up, it "cheeped" and the ♀
came to within 20 feet of me, though usually
it stays 4 to 6 feet away, crouched and flattened,
the wings drooped, and hissing and shivering,
alternately. Have a sign of a ♀ which we
saw up except when they are clustering.
♂s have been very quiet since about 5 July,
according to the two ♀s seen recently.

Squatarola squatarola
is now
Pluvialis squatarola
per AOU 1998

P. DeBenedictis
1965

Squatarola squatarola

- 20 June Barrow, Alaska - a bird in very mottled plumage, its back actually appearing rather brownish, and the black of its breast & face very mottled, was seen on the continuation of the Beach Ridge N of M. Salt Lagoon. Later one was heard but not seen on the N part of S. Salt Lagoon. The bird seen fed quietly near a Golden Plover, the two ignoring each other;
- 24 June One in good plumage feeding in flooded part of Central Marsh near a ~~Golden~~ Plover, the two not bothering each other.
- 25 June Still one in same area of Central Marsh; a single was heard and seen some flying about 150 ft up from the land S over M. Salt Lagoon about 6:15 pm.
- 28 June a Very handsome plumaged bird in Micromet Marsh. According to McLean, it was perched yesterday night.
- 29 June One seen flying 2 over the VOTH area towards Central Marsh in the late afternoon.
- 30 June Heard one flying over Central Marsh in the morning.
- 4 July A single bird in good plumage seen with 2 Fluvialis in VOTH slough and another with a large flock of Plover & Dow. other in Central Marsh; both were silent.
- 5 July One out in VOTH slough ~~and~~ at least 4 (1 single and a group of 3) along the east side of Central Marsh. The 1st was alone, the others with golden plovers.
- 6 July 3 in good plumage in the same part of Central Marsh.
- 12 July One heard over Family Lagoon in the evening.
- ~~19~~ July a group of 5 adults flying west over Micromet Marsh.

P. DeBenedictis
1965

Squatarala squatarala

- 23 July Barrow, Alaska - 8 seen out in the wet grassy ~~area~~ ^{area} at the N end of Central Marsh fairly well scattered and not associated with Golden Plover. Between 2 + 4 pm 7 of these left and a flock of golden plovers moved into the area. They were in fairly bright breeding plumage, but appeared to be beginning the postnuptial molt.
- 25 July Two seen in a grassy ~~pool~~ ^{lake} border about 1 mi. NE of the old gas well.
- 29 July 4 adults with a golden plover along the edge of Ebon ~~lagoon~~ near Wohlsehlag, where they fed on the wet grassy flats. All beginning post-nuptial body molt.
1 Heard near Lines XIII - XIV in the evening.

Squatarola squatarola
is now

Ploviaia squatarola

per AOU 1998

Sperothale squamula

20 May Made house near river, 15° 25' N, 102° 24' W, 8 mi. -
A light greenish-brown bird with a white throat
and breast and greenish-brown wings and back.
It was seen in the house of the camp.
It was not present in the house of the house.

31 May 1 pair, with 2 small chicks, seen in the house of the camp.

1 June 1 pair, with 2 small chicks, seen in the house of the camp.
The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.

2 June Two pairs seen in the house of the camp. The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.
The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.
The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.

3 June Two pairs seen in the house of the camp. The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.
The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.

4 June Seen a flight near the village.

5 June There are several pairs in the house of the camp. The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.
The birds were seen in the house of the camp, and the chicks were seen in the house of the camp.

Squabula squabula

6 June Alouatta River Lower Monte. 12° 31' N, 76° 41' W. Area
Again feeding on large leaves of the same tree. They
must be A.F. Wandering about the area and
a little away in the area. They are usually seen
from the same place from 1 to 2 hours
at a time. They are usually seen
feeding on leaves of the same tree.

7 June On the same area. They are usually seen
feeding on leaves of the same tree in the sitting area
area on the large leaves of the same tree. Not as many as
before. They are usually seen in pairs.

8 June A pair of the same species seen in the same area. Both
are usually on large leaves of the same tree. They are usually
seen feeding on leaves of the same tree.

9 June The same area. They are usually seen in the same area.
A pair of the same species seen in the same area.
The pair of the same species seen in the same area.
They are usually seen in the same area. They are usually seen
feeding on leaves of the same tree.

9 June A pair of the same species seen in the same area.
They are usually seen in the same area.

10 June They are usually seen in the same area. They are usually seen

11 June A pair of the same species seen in the same area. They are usually
seen in the same area. They are usually seen in the same area.
They are usually seen in the same area. They are usually seen in the same area.
They are usually seen in the same area. They are usually seen in the same area.

12 June A pair of the same species seen in the same area. They are usually
seen in the same area.

Squatrola squatrola

16 June Meele River Coal Mine, 157°25'W, 20°29'N, Alaska

A pair, one singing near the south ridge at the S. end of Lake Agassiz, sing "phee-wee" and giving the butterfly flight, and singing from the far side of the river.

17 June Singing from the far side of the Meele River, in the evening giving a considerable part of the song with much rolling. In Lake Agassiz feeding in the marsh as do Golden Plover.

18-19 June Singing across the river + SE of Lake Agassiz

21 June Singing across the Meade from camp. A pair near the dunes S of camp on the Oxbow of the Meade.

23 June They, like golden plover, seem to have moved out onto the marshes, where they feed in typical plover fashion. Saw 3 together so there must be two pairs SE of camp. No song and little (only alarm) calling.

25 June ♀ Feeding along the sphagnum ditches in the pools across the river opposite N-dunes. One attracted a jaeger that flew over from a position — a higher, larger bird covered pluck.

27 June Found a pair which gave high intensity, distraction displays on a black lichen and Cephaelis - Ceteris association). I wouldn't find a nest. The birds gave the "phee-wee" call, the "poe-uh-wee", and once the rolling notes followed by the "phee-wee". The distraction display is similar with that of Golden Plover. Involving a

Squatarius squatorio

- 27 June Micah River Coal Mine. $157^{\circ}25'W$, $70^{\circ}36'N$, Alaska
with the back feathers prepped and the wings open.
Crouching on the ground gave the display, but in some
area birds were still there. A Thamnolais in the area
was once attacked by the flocks.
- 29 June One seen the 1st time on village beach,
giving alarm calls.
- 30 June Found a nest with 4-eggs in the
Cornicularia - Ectaria flat W of the N lam
by the common plot - like a golden plant out.
Just the eggs were spotted. The birds gave
no help in finding it and ran off quietly
when I approached. They are easy to
see when you know where the nest is. The
nest is lined with Thamnolais feathers, very
conspicuously against the plants. I saw
little distraction display. They occasionally
attacked glaucous gulls flying over and
took a few pecks at insects on the Cornicularia
area.
- 1 July Got strong distraction display from a pair near the
North dunes.
- 4 July The ♀ still near the nest by the common plot. 5
eggs not pipped. Got strong distraction display.
1-2 other birds feeding out in Lake Agassiz.
- 5 July Two pairs on the flats opposite N dunes, on
the 2nd beach level. Got distraction display from both
pairs out on the Cornicularia - Ectaria areas.

P. D. Buehler
1966

Squatorola squatorola

- 5 July Meadle River Coal Mine, 153°25'W, 30°20'N, Alaska
but the birds seem to be feeding out in the Cans
mark areas. Almost always see ♀s together.
One bird attacked and drove off a Parasitic
Jaeger that flew ^{over} ~~off~~. Not seen elsewhere.
- 8 July Still incubating on the nest by the Cans
plot. They no longer give a good distraction
display and only one bird stays close.
This species is sexually dimorphic, the ♀s
being much browner dorsally than the ♂.
- 11 July Little action from them in the afternoon.
One bird still incubating. When we came by in
the evening, one bird came. But flew off quickly,
from some distance away, and with swirling.
When I went to the nest, the ♂ came in and
gave a distraction display. The ♀ stood off
curiously, then came a little closer and
also gave a distraction display, but not
as well developed or prolonged as that of the
♂. Eggs are cracked but no hole. Should
hatch by tomorrow evening & the nest A.M.

P. DeBenedictis
1965

Pluvialis dominica

- 10 June Barrow, Alaska - a single bird was seen in the Ciel But area, intent, in a exposed, grassy area.
- 11 June Saw 2 birds, one giving the butterfly display flight at the southeast end Family Lagoon about 4:30, and 1 near Meadow Lakes about 8:30 PM.
- 12 June Saw 4 birds, 2 near the VOTH area and 2 about 1/2 along the S side of Family Lagoon. No display but some vocalization; they feed in the open grassy flats or along a puddle, and very infrequently as all plovers do; they were all judged to be ♂♂ on the basis of black on the face.
- 14 June Scattered ♂♂ were seen along the Elson Lagoon area, and although heard the flight call given in migration, saw no fights or display.
- 15 June 2 birds, ♂♂, together on shore of Elson Lagoon very noisy, no display, in the AM.
- 16 June One seen flying by the Beach ridge in the AM. At least 4 birds, including a ♀ plumaged bird, along the N side of Wohlsehlag Slough. The birds were fairly quiet, except for two periods when one male chased a second calling "too leě leě ... too leě leě ... too leě leě", a clear whistle but no display flight.
- 17 June. Saw a bird with much white on the face ^{with} a black faced bird ~~seen~~ ^{along} the W side of Family Lagoon. The birds are quite vocal; calls heard are a "turlee", the commonest, ~~and~~ given in two pitches by birds on and off the ground, a "chitup" or heard in

P. DeBenedictis
1965

Pluvialis dominica

17 June

Burnow, Alaska (cont). from birds in flight.
Saw an aerial chase between 2 black-faced birds
and a few ground chases but no other display
activity.

18 June

One seen on the Beach Ridge.

19 June

There were more birds in the Port-Britton's area
than last time, and saw 4 display displays. The
bird flies with a slowish, stiff, straight out ^{up} wing beat,
calls "ku lee" or "ku lee" or "tu lee" or "tu lee",
the beat about 7 per 3 seconds and the calls
synchronous with the wing beat. The display
is carried out 20-40 feet up and lasts 10-15
seconds. There were at least 2 ts and didn't
any black faced birds together. Bird were hard to
approach.

20 June

Saw 3 flight displays as described above.
Heard again a very complicated vocalization -
"Something like" too wee with it wit teeloo"
— — — — —

or longer, but have been unable to note the context
in which it is given. Not all birds present
seem to be paired.

21 June

Only 3 or 4 birds in the area where 10+ were seen
yesterday, and no special behavior observed.

22 June

Heard the long vocalization and believe a
chase was involved but couldn't be sure due to
fog. No flight display.

23 June

birds seen in the afternoon were quite; all birds.

P. De Benedictis
1965

Pluvialis dominica

23 June. Barnes. Arctia seen feeding were in rather wet places, along pools or in very saturated low polygons. They remain hard to approach.

24 June a pair in the micromet area, and saw one aerial butterfly display. The species was somewhat more numerous in the area along Elson Lagoon & Wohlsehlag Slough, and saw 3-4 aerial displays. One ♂ in a glide wings in a following a ♀ called ^{wee} witwit ^{wee} 2-3 times, flopped for a while, went into glide giving the "tulce" butterfly song display, the two covering a wide area. A male on three successive occasions chased a dunlin for 5-10 feet, each time swooping after the dunlin and landing only a few feet from the dunlin. When the plover landed it held the wings up longer than usual. The plover was silent but the dunlin gave a short low trill when being chased.

25 June On the beach Ridge from the micromet area to P. Kelha's plot only 2-3 pairs were seen but there were 2-3 times as many out in Central Marsh when they called loudly and fed in very wet areas. Only one flight display seen but the birds were quite vocal on the ground as usual. It is the K. H. den of the Arctic. Birds seen in the afternoon were also demonstrative, 2 flight displays and 5-6 fight displays involving V-gliding of one of a pair in flight accompanied by a complex vocalization (the most distinctive being a

1965

Pluvialis dominica

- 25 June Renow, Alaska - low, rather sharp double "w.t" note usually preceded and followed by a higher whistled "wee" note but sometimes by, and often additionally, by, the "tukee" or "tsukee" phrase. The Cerulean Sandpiper seen to day was chased by a Golden Plover on two occasions.
- 26 June Considerable calling, mostly involving the "w.t" note heard over Holmes's Marsh and one flight display seen, 1 or 2 others heard.
- 27 June Heard a flight display and several calls involving the "w.t" note near the VOTH area, and saw 3 together on one occasion. They seem to have left the area closer to the continuation of the Beach Ridge where they were formerly present.
- 28 June A flock of 6-8 birds perched on Micromet Marsh and feeding relatively quietly. Heard display over the hab at dinner time and found them to be widely but generally distributed over the area covered but not very noisy.
- 29 June Found a single egg of this species on a rather bare raised polygon in a slight depression in the ground. The egg stood out rather markedly from its background. Flocks were seen very sparsely during the day except for the flock in Micromet Marsh. When I went out to check them they got up, flying rapidly, circled a few times and took off to the NW, calling occasionally, leaving only 3 or 4 birds behind.
- NEST 1

P. DeBenedictis
1965

Pluvialis dominica

- 30 June Barrow, Alaska - This species was really common in Central Marsh forming groups of ~~15-20~~¹⁵⁻²⁰ out in the middle of the marsh; they were silent. They were quite variable in extent of ventral black, some having considerable white on the posterior abdomen. Later I saw a group of about 15 in the polygonal area N of the ridge and the group of 10 was back in Micromet Marsh. Most of these birds appeared to be migratory rather than locals, and they were fairly jumpy.
- 1 July Only about 6 birds in the group on Micromet and a couple more scattered about - only display was the call involving the "wit" note - heard 2x.
- 2 July Rather scattered groups were seen scattered over the SE end of Holmes's Marsh and all over Central Marsh; they were all very quiet and nothing of the flock of the last few days were seen.
- 3 July A group of 10 in Micromet. Hamilton said 23 were present last night.
- 4 July They were only scattered from Britton's Area to Foot print and there to Meadow Lakes - mostly pairs and not more than 4 together (in VOTH's lough). They were rather silent. I counted 39 in the SE end of Central Marsh and 19 more in the W-center part of the marsh, including at least one pair ~~seen~~^{stationed} along the edge of the marsh. They fed in shallowly flooded grassy areas, and were rather silent, even when they flushed; they loosely were associated with Dowitchers. There did not seem to be many in Micromet Marsh. The

P. DeBenedictis
1965

Pluvialis dominica

4 July Barrow, Alaska - nest near line I has apparently
NEST 1 been abandoned, as there is still only one egg and no
birds in the area.

5 July There were several small groups along the ~~west~~^{east} side
of Central Marsh but didn't note any any place
place else other than natural areas. Those in Central
Marsh were not very flighty or vocal, but did not
allow close approach. A nest found by J. Kelke and Hamilton
NEST 2 near line III B was attended by a lone very noisy
bird; there were two plovers near this nest in the evening,
a bright and a dull plumaged one; they were resting
quietly across a small pond from the nest and flew off
on my approach. The sitting birds called loudly, crouched
off giving a crouch and going into a crouch, and
one when into what looked like a hunched posture



Plover alert post and alarm posture are rather
similar —



alarm



alert

differing mostly by the thickness of the neck.
The bird on the nest attacked and chased a way a
♂ Pectoral Sandpiper which happened to be feeding
near by, when I was near the nest.

P. DeBenedictis
1965

Pluvialis dominica

6 July Barrow, Alaska - found a four-egg nest along
NEST 3 Cloon lagoon. As with the nest seen yesterday, the
attending bird arose from the nest, went off about a foot
and began calling an excited "klee" note, and
walked slowly, directly away from the nest. When I got
near the nest I once went in to the tail down crouch
posture. In spite of all the yelling it did, no 2nd
bird appeared. Another pair was near the CREEK shack.
There were two small groups totaling about 20 birds
along the ^{east} side Central Marsh and a large group,
mixed with Dowitchers at the SE end of the Marsh.
They behaved as yesterday, but frequently bursts of
"wee kit kit wee" type ^{call} ~~song~~ were heard by birds on the
ground, often as they entered a group. The posture I
called "alarm" is also frequently assumed by birds
looking for food and may indicate ^{only} ~~very~~ state of "tension"
or anxiety; the two might better be called "alert" &
"thick necked" and "alarm" - thin necked. One group along
the W side of the marsh got up and circled the
marsh several times, splitting into 2 groups until a
flock of ♂ Oldsquaw flew across the marsh; the plovers
joined the ducks & disappeared to the east, although I
suspect they landed in Holmes' Morass rather than
emigrated.

7 July There were about 6 birds loosely spread out over
Miconet Marsh feeding in wet areas; one gave the
pull with the "kit" syllable; and about 10 in the
polygonized area resting silently, E of Miconet Marsh in the AM.

P. DeBenedictis
1965

Pluvialis dominica

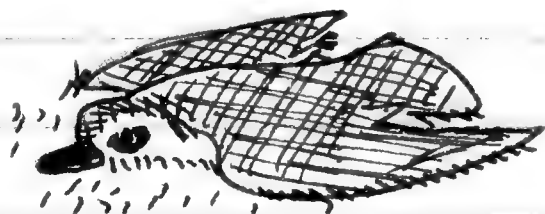
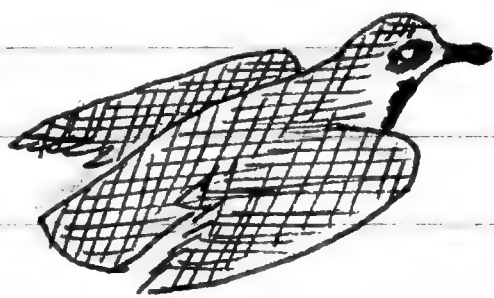
- 7 July Barrow Alaska. The nest by line 3 B was being incubated by the ♀ and when she got up and began to scold a 2nd bird also appeared and scolded me. One other pair heard but no flocks seen.
- 8 July no groups around VOTH slough but 4-6 birds were along the road from the Voth area to Footprint; one of these birds was very mottled ventrally, and they were not very vocal.
- 10 July a flock of about 12 seen near the USC + GS shack N of the Beach Ridge and 1 or 2 similar sized groups were along the E. side of Central Marsh. The birds were very quiet.
- 11 July No flocks which gave the impression of being paired and territorial were seen in the Ikroavik region but 3-4 flocks of 3-6 birds were seen, all in flight. one group^{of 3} was with downy chicks.
- 13 July The nest along line III B was empty and no bird were seen in the area. A flock of 17 ± was seen in the VOTH area in the evening of July 12; they were silent, but their wings are noisy when they fly.
- 14 July an obviously nesting pair on Gasline Ridge S of line on a 2; nest with 4 eggs found by Hamilton
- 15 July A group of about 8 on the polygamined area where the weasel road crosses the beach ridge, N of the ridge.
- 16 July The nest along Elson Lagoon still ok and attended by a single bird. One heard near the Cull shack.
- 20 July A pair just west of the O end of line I on the flat below gasline Ridge acted suspiciously and McLean found

P. DeBenedictis
1965

Pluvialis dominica

20 June Barrow, Alaska - 3 downy young. I later saw one; they are yellow! and unlike the well grown Calidris will not run but crouch motionless, allowing me to take photos from 10 inches; one when picked up ran a short distance then crouched. They are much larger than the other chicks I have seen and the plover bill is quite evident. Both parents around.

21 June A group of 10 with 2 down ^{and another of 2 with} 6 Pectorals were seen along the Beach near the nest. The nest near Brant Point hatching - 1 young out, 1 young in nest and 2 eggs. The parents (both present for a change) were quite upset by my presence and came to 15 feet of nest. They both gave strong distraction displays.



crouched on the ground

or standing and often tilting the back towards me. which made the bird actually somewhat less conspicuous. They were both in somewhat mottled plumage. The chicks did not appear to pay much attention to me, but remained in the nest though occasionally moving.

22 July A flock of about 30 in the level grassy area about the ponds N of lines 4 in the Voth area. They were feeding actively in the grassy area; many were in quite mottled plumage. About 25 more joined them and flew off, leaving about 10 here. They were not very noisy but heard

P. DeBenedictis
1965

Pluvialis dominica

22 July Barrow, Alaska - one "wee wit wit wet" call and the usual "tu-lu" flight call. 4 seen in VOTH slough and 3-4 near the W end (10 posts) of line III A-B. No evidence of breeding birds in this area.

23 July A group of 4 in flight near the Bush Bridge and 4-5 feeding in the dry grassy flats on the ridge near USC + GS. Later 21 were seen scattered on the W end of the marsh feeding primarily in sat. areas with fairly dense (50%) grass cover 2-4 inches high, 1 or 2 on the weasel road. 2 were seen on the grassy flat near small pools in the NW part of the marsh. All seen were silent and were in mottled breeding plumage; none acted like they were with young.

24 July A flock of 18± just south of line IIIA in rather dry raised polygonized area. The birds were moderately spooky and feed ^{more} ~~primarily~~ on the grassy polygons rather than in troughs. They were fairly quiet. The pair at 600 line appears to have moved down to the creek and 1 or 2 other pairs were seen in this area, all quite noisily, as if they had young out of the nest. None of the chicks were seen by me.

25 July Several small (4-5) groups of plovers and one of about 13 seen in area south of Ikroavik as well as a few birds that appeared to have young. Two chicks ~~was~~ ^{accompanied} by a pair were seen in a dryish, grassy area of high center polygons west of Ikroavik, well above the wet grassy area. The chicks were quite small.

P. DeBenedictis
1965

Ploveralis dominica

- 26 July Barrow, Alaska - one in a dry field in the north area.
- 27 July about 4 out in the low grass near a pool's edge in Central marsh and 3 on dry, low relief polygons east of HCS. 4 in the wet lake plains near lines ~~III~~; very little plover noise, and all looked like transients.
- 29 July A pair which acted like they had young (1 seen by Hamilton) between lines V & VI on Pitelka's Census plot and other on ~~the~~ polygonized area near lines ~~XII-XIV~~. A group of 4 near Wohlseh's slough and a flock of 45± seen flying towards the point along Elson lagoon, circling as if to land, as it came by, and calling loudly, the common note the "wee wit wit wee" note.

1681511 - 130

30 days, Ward River, N.W., 12°35'N, 79°39'W, N.W.

[illegible]

Fluvialis dominica - 2

31 May Maple River and Mine, $157^{\circ}35'W$, $70^{\circ}24'N$, Alaska.

There are more about now and they seem to be
priced accordingly. Very vocal, especially in the
early A.M. There were at least 6 feeding along
the creek near the village in very open spots,
where they feed in typical fashion. They are in a group
about camp near S & I and seem to be attracted to
only water they find in some places. In some
places it is not abundant. They do not seem to
use the vegetation as much as they do in the
tundra and bog - it seems more to be preferred.
They are feeding in and around wet places.
A few birds, in 1's, 2's, and 3's flying about in the
evening.

1 June Little camp for gathering, birds are much
more abundant. They do not go out in the tundra as much.
Next seen to be prices. With a flight, and
lots of noise and some song. They seem to
be more in the tundra in the morning and not
abundant now. It seems to be a good sign.
In the night, they are more abundant in the
tundra, but some are singing of a few
birds are present near the village.

2 June There seem to be fewer birds about the
camp. 3 or 4 birds along the creek, none
on the tundra N of the village, and 4 pairs in the
polygonal area north of there. They seem more
to prefer the tundra but moderately moist areas.

Pluvialis dominica 3

2 June Alameda River Look N.W., 1570 55' W, 70° 29' N, where there is a good view over to the river. Little courtship activity evident this date, and most of the birds seem to be going ^(probably) straight out to the collected birds. There are a few near the census plot and for as far as the river to be looking for the male appearing in the census plot - one out in the river. Some birds displaying some the same as the behavior of the Male of camp in the evening, with female birds, prob. in fact that this, some going straight down west of the river and some to long groups near the river.

3 June Birds not suspicious camp. In morning, the
birds were to be seen about the Tule River
village. And at noon prob. at a T. which flew
off camp. Only birds seen flying rapidly by
camp along the river in the evening and
with signs of the birds in camp.

4 June All birds present appear to be paired. They feed out in the open dry, but undisturbed areas more than the caliche areas and are fairly alert. Birds feed much like robins, pecking at food items but occasionally probing at stubborn food articles. A few chases but not song-flights seen. Several birds still in camp.

5 June The birds about camp present mostly by the C. arrangement. Very little in evidence away from camp, only 5-6 pairs seen, usually in flight. They are not on the ridges as

Platylis dominica -4

- 5 June Morice River and Mine, 15°25'N, 70°24'N, British
best I can tell but on the mossy covered flats and slopes
near the lake basins, where they feed out in open areas.
On two occasions I saw 1 pair of dominica feeding
near them ~~is - 1~~ ^{times} ~~on the~~ ^{until the} ~~dominica~~ ^{longer} ~~feeding~~
and then stand quietly, with song flight or noise, all birds
seem more evidently paired.
- 6 June The local birds feeding around camp, now
mostly ~~on~~ ⁱⁿ CO₂ warren. The river bluff now being
used by a ♀ Black-belly as yesterday. Little song flight.
Birds near the village ~~are~~ ^{is} usual. About the
only difference in the areas is that the Black bellies are
are drier, high polygonal areas, while the ~~warrens~~
are on flat wet to saturated areas. No evidence
of interaction between the two species.
- 7 June Little in evidence, mostly near the village and
by camp.
- 8 June. Only one ♂ S of camp, near South creek. Near
the village several ♂s present and possibly a few
non-settled birds going by. After one short
chase saw a prolonged song flight, one of the few
I have recently. A couple of ♂s on S. V. ridge.
The species remains quite scarce here, and
mostly localized along the river. They now seem
to be in the same place as the Black
bellies.

Pluvialis dominica

- 19 June Meade River Coal Mine, $155^{\circ}25'W$, $70^{\circ}29'N$, Alaska
area near 1,6. The ♀ gave a weak distraction display
when I approached the nest but didn't sit until I was
160 m. away. Saw several lone birds flying
rapidly along the river early this in A.M. —
- ~~20 June A pair by lake Itmaklak on the dune as usual.~~
- 19 June A group of 4 birds on the bluffs on the far side of the
Meade 2 mi. S of camp first appeared chasing a jaeger.
Later when I started after a duck, they came
in and scolded, but remained together without
fighting, after 3 birds with one square gull. Shot two,
both with broad patches, the ♀ having laid a complete
clutch. ? An early flock of non-breeding or post-breeding
birds.
- 20 June A pair by lake Itmaklak and the village dune as
usual.
- 21 June One or two lone birds flying rapidly south along the
river. The ♂ was on the nest when I checked it and
the ♀ not around. Both birds feeding in a marsh
200 m. S of it. A 2nd pair in the area of the last row
of the plot and to the south of it. When a pair of L-T.
jaegers flew over the nest in the afternoon, the plovers flew
up and attacked the jaegers, successfully driving them
away from the vicinity of the nest.
- 23 June One ♀ seen out in the center of the SW part of lake
Agassiz, feeding on a sphagnum island.
- 25 June ♂ incubating the nest on the census plot in the
afternoon. One near the lake was seen on the same day.

Fluvialis dominica

26 June ^{Alca} Mangle River (and Mangle, 15°25'N, 77°21'W),
abundant display like I had a nest but I couldn't
find anything - it attracted all the other
shearwaters in the area, though.

27 June The only one seen on the far side of the mangroves was
in the upland, polygonal area. The bird gave a
distraction display when I approached, then flew off.
couldn't find a nest.

28 June ♂ incubating nest on mangroves got. He keeps to
sneak off, in a crouch, and then comes back and
give a distraction display when I approach.
The display involves ~~the~~ drooping the wings and
tail, fluffing the back, and running up. The wings
are more open than the calibration and the noise call
is absent.



29 June Very scattered and only some birds seen,
one near the 1st lake on village side and one
near the last big lake visited. No much
good places for them to nest here.

30 June The ♂ incubating in the A.M. Two others
seen in the area. No near the mangroves
area, though. They nest in the same habitat -
enough to go around.

Pluvialis dominica

1 July Meade River Coal Mine, 157°25'W, 70°29'N, Alaska

One on the dunes near Ikmakrak.

4 July One near the '1' post of the census plot much out of place, but otherwise a no evidence of transitional but strong distraction display from the pair south of the census plot about 100 m. from the plot, in some rather heavily timber-grown dykes between newly dry ~~Scrub~~ pools. There was a little Eriophorum here on the dykes, but the general appearance was that of the Cornicularia-Cetaria flats. Couldn't find a nest. The ♂ still on the nest, as 3 July. Didn't see them anywhere else, except on South ridge - ? same as the ♂ by the census plot.

5 July Not seen on the flats opposite S. Flat. Possibly the major habitat is the high microtidal areas of Carex pools and Eriophorum - Cetaria - Cornicularia, with Black-bellies occupying the ridges.

6 July The ♀ incubating the nest on the census plot, eggs not pipped. The ♂ from the ♀ to the south on the plot briefly, giving alarm calls.

7 July One giving alarm calls from the Eriophorum flats near the dunes opposite South Creek.

8 July One egg of the pair on the census plot has a small hole, the others are cracked. Only one bird in the area, which now gives a poor distraction display.

9 July The nest still in the process of hatching about 10 AM.

Pluvialis dominica

- 9 July Meadow River Coal Mine, 157°25'W, 70°29'N, Alaska
One egg was nearly opened up and the other
was punctured. The ♂ was on and gave a
distraction display; the ♀ came in and gave
alarm calls but no distraction display.
didn't see the other birds, except the ♂ briefly on the plot.
- 11 July Something going on. There is probably 1 more
pair towards South creek beyond those by the
census plot, the birds working in the Eriophorum
between the cut lake and the ridge. Got much
draw from golden plover near the 3-egg incubator
nest and then alarm from the flat near the
5-3 marker. Couldn't tell what was going
on. ? a different pair or the same birds
moving about to meet new. The ♂ nesting
on the plot seem to have moved into the Eriophorum
area towards & between the lakes by the plot, and
the nest empty. In the evening this pair still
in the area. Didn't look for chicks. A pair
was near the 4, 2 marker, the ♂ giving
the "to ice da lee" call; heard a "mutter"
call from a second bird and saw the ♀ sitting.
Went to the area and found two chicks,
which sat tight enough we could step on them.
They were in wet Eriophorum, where it seems
to be taking over from Carex maritima; the
moss is saturated but no standing water,
and the area about 1/2 Eriophorum. Much Eriophorum.

P. H. Benedict
1960

Pluvialis dominica

11 July

Meads River Coal Mine, 157°25'W, 70°24'N, Hahn
Shelf here. This is evidently the important habitat
for chicks; off all species except phalaropes
and possibly pectorals.

P. DeBenedictis
1965

Charadrius

30 June

Barrow, Alaska ~ found a single plover out in central marsh which I could not recognize. It was 1st seen on a ridge out in the marsh in fair light and when I got to about 80 feet away it got up and flew to the Beach Ridge and landed on a table where I could see it against a dark back ground; as I approached it jumped up and landed with a group of Golden Plovers and I could see it against the sky; when I approached further it got up and flew out into the marsh where I lost it. I never got closer than about 80-100 feet. It was clearly a plover, smaller than a Golden + larger than a Semipal (about the size of a Pectoral), and its bill was proportionally the same size as a Golden Plover and appeared thin. Dorsally it was uniform dark sandy brown or grayish-brown and ventrally it was white except of a dull buffy-gray band across the breast, wider on the sides than medially. It had a black line through the eye but I didn't notice any other markings; In flight it showed a fairly strong, short wing stripe and the sides of the tail (outer rectrices) were lighter than the center of the tail; the rump was apparently somewhat lighter than the back as it looked white-rumped the 1st but not the other 2 times I saw fly. The only call I heard was a roll rather like the display note of a Dowitcher. Went back in the afternoon to try and get it but Dr. P. Telka missed; it is only slightly larger than a Phalarope and the breast band appeared buffier; its bill ~~was black~~ ^{was black}, as noted in the am, and its legs also appeared to be black.

P. DeBenedictis
1965

Charadrius semipalmatus

21 June Barrow, Alaska - a lone bird was heard and seen on a polygon Top behind the animal hut about 1100 AM. It remained for over a 1/2 hour, was in good plumage and was not seen to feed.

23 June Single bird in good plumage was seen in the barrel area behind the animal hut about 100 ft from the above observation. The bird was silent & was not seen to feed.

P. DeBenedictis
1965

Limosa haemastica

28 June

Barrow, Alaska - found one out in Micromet Marsh about 11. It was feeding in a shallowly flooded area with Pectoral Sandpipers and Red Phalaropes and 1 Dowitcher. It was 1st seen flying and landed close to me and began calling a high pitch # "Ka wick ka wick haw.ik..." sometimes going into a "wick wick wick...." It fed in heavy cuttings and inserted its bill deeply into the ground. In the afternoon when we went out it was with a group of Golden Plover and was silent. Collected by Dr. D. Felha. It was only slightly ^{bulkier} larger than a Golden Plover and was deep reddish chestnut ventrally, brown above and grayish on its throat and face; the wings and tail were quite black and the white stood out sharply; the black wing lining was quite noticeable.

P. J. B. B. B. B.

Limosa (?) lapponica

10 Rue

Mentor River and White, 15° 25' N, 13° 4' N. H. B. B.
A bird godwit almost certainly, this species seen
in poor light flying towards the village. under +
pink & later.

P. DeBenedictis
1965

Arneria interepos

- 9 June Barrow, Alaska - in a gravel pit by the animal shelter I saw first 8 and later 11 individuals of this species, showing a bright & dull pattern. The bright birds were quite aggressive although they remained together in a flock; while watching two additional birds came in, landed with the group & then flew off into the tundra.
- 10 June 8⁺ birds only were in the gravel pit area. They are quite aggressive but remain together; the displays involve a hunched posture with neck/body feathers erection & a slightly bowed tail and a deaked, upright alarm posture. In the evening at least 3 birds were seen in exposed patches of tundra near the CRELL hut.
- 11 June Now only 3 birds in the Animal hut area; only 2 out on the tundra near Family Lagoon.
- 12 June Saw 3 along the NW ~~end~~ of Family Lagoon in a group and 1 along the shore line near the channel to the lagoon. No display.
- 13 June a few of the birds seen along Family Lagoon appear to be initiating display & territorial behavior.
- 14 June a few, scattered birds along the shore of Elson Lagoon.
- 17 June about 4-8 pairs between the South Salt & Family Lagoon. The turn objects with the bill as in the winks, resulting in a strange feeding motion. Saw one on a mound top flipping over for paper and 4 or 5 times birds feeding in flooded troughs where they really throw the mud around. In flight one of two birds in ~~pair~~ chase gives a ^{Squint} ~~flourish~~.

P. DeBenedictis
1965

Arenaria interpres

- 17 June Barrow, Alaska - Flare like "chevit chevit chevit", and on the ground a series of notes "cüt cüt cüt" after landing or migration. They are not as social as other shorebirds, being more spread out over the tundra. ~~There~~ saw one chase a Scaupling feeding nearby in a tundra area.
- 18 June Two seen in the tundra area, fly about, one giving the "cut cut cut" call but no marked display other than a slower than usual wing beat.
- 19 June There appeared to be more birds in the area than S and M. Salt lagoons; heard the usual assortment of calls and saw several feeding in water low, wet areas throwing mud aside and apparently taking food from below the surface. Close inspection of areas where they had been feeding showed that they were ripping up the moss ~~cover~~ to the tundra to get to the food below.
- 20 June There were more birds present in the above area than yesterday and some are clearly social. All birds seen feeding were in wet low situations and fed in turnstone fashion.
- 21 June. A flock of 8 was seen flying in the W over the Spout of S. Salt lagoon and it continued on over M. Salt lagoon out of sight. Scattered birds on the ~~area~~ ^{area} common yesterday were almost entirely absent; and heard few vocalizations.

P. DeBenedictis
1965

Arremonia interpres

- 22 June Barrow, Alaska - these appeared to be somewhat more settled birds like the Britton's Area region but no flocks seen. Birds fed in wet areas by turning over cuttings and somewhat ripping into the moss below; the patches of moss exposed appear to be about 204 inches ~~and~~ ⁱⁿ size; birds seem to catch some items in the turning motion but also appear to peck in the newly exposed area.
- 23 June Birds seem to day seemed more interested in flying over than doing anything else. Busiest close to BL.
- 24 June Single bird seen in flight today in L's AM in the area visited yesterday. Birds seen near Elson
- 24 May soon seemed to be paired. The resemblance of several of their calls to Semipal. Plover is remarkable. Little of the behavior differed from what is previously seen.
- 25 June Scattered pairs were seen almost everywhere today but very little vocalization was heard considering the context they usually make.
- 26 June A very noisy pair heard in the N part of Holme's Marsh and a pair still at the Animal hut.
- 27 June Still two by the animal hut. Found a nest with 4 eggs in the Voth area located on a rather bare area (high polygon). The eggs were dark shiny olive green a bit brighter than their background. The turnstone was seen to fly off the nest to attack a jaeger which flew over, and no distraction display.
- Nest A.1.
- 28 June Very inconspicuous in the area from the hut to Gasline Ridge

P. DeBenedictis
1965

Anas interpres

- 29 June Barrow, Alaska - a flock of 5 was seen flying over the Britton's Area and 2 near Micomet Marsh. Didn't check the nest found yesterday.
- 30 June A group of 3 seen in Central marsh flipping over cuttings on sphagnum on a weed track. Very scarce otherwise.
- 2 July All birds seen in group; a pair diving at jaegers in the S part of Central ~~Marsh~~ ^{Marsh}.
- 4 July The pair whose nest I'd found was busily chasing jaegers this morning and again in the evening. The ♂ did most of the chasing, flying, and occasionally hitting any jaeger which might pass over its territory. The jaegers sometimes objected by ^{swarming} ~~swarming~~ out of the way, but sometimes, particularly when they were in a chase, they seemed to ignore the turnstone.
- 6 July at least two pairs along Elson lagoon but no nests seen, and one pair in Central Marsh.
- 8 July The nest I had found was empty in the late A.M. and none were seen in the area.
- 10 July A flock of 6 seen flying noisily along the edge of Elson lagoon going north. A pair along the lagoon aggressively attacked any jaegers that came near but didn't sit on a nest.
- 11 July A small group heard along the lead in the evening.
- 15 July One heard near the CREH shack.
- 16 July a pair along Elson lagoon
- 17 July 1 or 2 heard in flight west of VOTH slough.

Arundinaria totipora

[illegible]

29 Nov. 1994. Tuesday, November 29, 1994. The day was
pleasant in the morning but became very hot and
humid in the afternoon. The temperature was
about 80°F in the evening. Not much
done. The day was very hot.

30 May 3 birds together in the village. They had been in
one place. One after another they came to the
village, but didn't tell where it came from. When
Frances met about noon, a 3rd one coming in
the country. It was found along the creek. They were
so shy I couldn't get near enough to see how they
fed. Because they stayed near the creek and

31 May. Turned out 1 was seen to fly, but
they were so close I can't tell what they were doing.
Quite noisy. They flew over the house in a very
and I saw the squabs. One feeding in a
rained polygon south of camp in the afternoon. It
to be "slipping" vigorously with the oil, but I failed
to see what they were doing, because they were so close.

Arremonia super

1 June Mouth River Camp, 15° 21' N, 10° 24' N, Ecuador.
At about 5 miles on the river the school,
including several E. King, fed on the river and
brother places and remain very close. They
were to stick pretty much to river for of vegetation.

2 June 4 fms. - 7 miles the school was along the river
they about 100 yards and counting many of the
"gag" birds I can get to them. One one time
a school of about 100 birds. But tell what
they were doing, but when they fed they vigorously
jab into the ground. There were two pairs near the
river. One pair 1 1/2 mi N of camp. Again
feeding in the river was slipping and vigorously,
and a pair which had been sitting on the river
was chased to a low point where they
fed in, they were intense with it. The only
disgusting thing was a small patch of water
to be common to most schools, in aggressive manner.
These birds were a little more approachable than
most individuals have seen. At the same time near
the village in the morning and no change in behavior.

3 June Finally out of the traps, but to not going to help
much. 4 pairs about. They were to be found and
usually they about in pairs. They feed mostly in
disturbed ground. The one I got had been feeding
on a mound of soil, with a little bird on it, which the
dogs had been kept about 4 days ago. They are
noisy when they move apart. The by "caught" in the

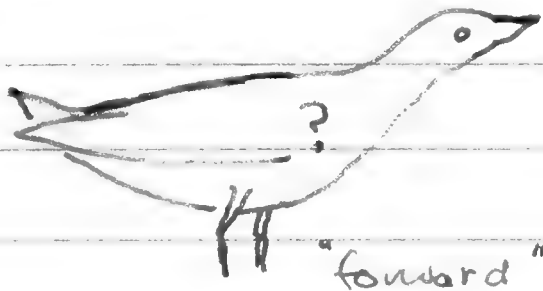
Arenaria interpres

June Meade River Coal Mine, 157° 25' W, 70° 29' N, Alaska.

I saw 24 birds near the village, where they are now more widespread than before, and still feeding in the disturbed areas. Saw one fight between two males. The two were chasing each other, then one ^{the first} landed (or nearly landed) on the snow and the other attacked it, the two birds fighting on the snow bank. Then one bird broke free and was chased by the other, which turned back after 20-30 feet. The only calls heard were the "che-it che-it suit" calls, much subdued.

5 June
6-7 birds present. One seen - 2 others - 3rd bird -
in the air.

6 June Only two ♀ certainly in camp now. Some chasing and a little posturing seen. a ducked aggressive posture characteristic of *Alcedinnes* seen in ♂ to ♂ chases, preceded by a "forward-like" display very briefly in one instance, before an aerial chase with a flight. They seem to have gone to actual contact with a minimum of display, except vocal, in aggressive situations. They are eating garbage ^{around} the village. The only area they are now regularly present.



hunched posture

Arenaria interpres

- 7 June Mende River Trail Hike, 15°28'N, 71°24'E. Alaska
 were in ^{the village} camp again today. When they are feeding
 on garbage etc. within the camp. Actually seen
 very little feeding but they tend to be in areas where
 I am around. Very few mostly feeding. One was
 killed in evening. It was the smallest of the three.
 Seldom seen from away from the village. They
 are not very common.
- 8 June People moved into the village and apparently,
 some of the birds moved with them. Now in the vicinity
 of South Creek and north of the village, where they
 feed on the garbage and also on the exposed sand,
 where they feed on the garbage and also on the exposed sand.
 For common, not proper. It is mostly in the
 is: one with one.
- 9 June Birds still feeding in the area near the
 village. Usually on the garbage and also on the exposed sand.
 Signs seen by. Mostly in the morning.
- 10 June One on the common plot feeding in the morning
 from 1, 1 to 1, 2
- 11 June One seen near the village.
- 17 June Only one seen by the village.
- 20 June One seen in a marshy early pool on the village flats.
 Probably only 1 pair here now.
- 26 June One on a sphagnum sedge in one of the plots
 W of the common plot in the afternoon.
- 27 June A nest with 4 ~~eggs~~ found in a Common plot.

Arenaria interpres

27 June

Meade River Coal Mine, 157°25' W, 70°21' N, Alaska.
Cetartia associatus. The bird perched at some distance
from the nest, and never gave a distraction
display. The nest was lined with Humulus
and Cetartia trivialis. The ♂ incubated while
I watched in the early morning.

30 June

A pair is certainly nesting in the plots
W of the N lake by the census plot. Couldn't find
the nest and the birds gave no clue at all.

They do feed on the Cominula flat a little,
and like the other pair I found, are close to
a Black-belly plover - mutual warning?
They vigorously attack Colaptes cafer and
Parus glauco that go over the area.
See C. pusillus

4 July

The ♀ still near the Black-belly nest by the census plot,
scolding when I get in the area but not co-operating
in nest finishing at all. They are feeding on
the flats a little, but one bird spent some time out
in the marsh. The feeding was sporadic - it was not regular.

5 July

3 seen flying over a Carex area near the
dunes at the S. end of the Meade in the evening.

8 July

One of the birds near the Black-belly nest came out
to scold near the N end of the Cominula plot
and followed me nearly to the census plot across
the lake. The other bird was in the Eriophorum flat
between the two lakes. Found an empty nest cup
of this species type in the Cominula along the

P. O. Benedict
1966

Anas interpres

- 8 July Meade River Coal Mine, 157°25' W, 73°24' N. Abundant ~~west~~ ^{south} side of the lake. They appear to have chicks but I haven't tried looking for them.
- 11 July There was one turnstone along the Southmost lake by South ridge in the Eriophorum flat and a pair in mixed Eriophorum - Carex near the 6, 6 marker of the census plot. Both scolded loudly. One bird followed me from here across the census plot to the 1, 2 marker, scolding all the time. Not on the Corniculatus flat, so I assume they are the birds, and that they have reached the chicks up this far.

P. DeBenedictis
1965

Salicula cornutus

13 June

Barrow, Alaska - one seen flying from the area over the west side Family lagoon to high polygon area south of S. Salt lagoon. It was only a little smaller than the above and orangish pink ~~at~~ ^{ventrally}; couldn't see the dorsal pattern well.

Colinus pennsylvanicus

15 June Barrow, Alaska

Heard many vocalizations from birds flying over the tundra, which seem to fall into 3 main patterns. One, which seemed to be something of a alarm or anxiety call, was a whistle, fairly rapid "dooit dooit", and was answered by a 2nd bird with "dooo" ^{hee}. This bird continued calling "dooo hee" continuously about 7 calls / 10 seconds, for several minutes as two other birds flew over. The other 2 birds were silent. The 3rd bird of interest flew in, the first part of the call, and the song of the bird began. It then appeared to be the "dooo hee" but only lasted about 10 seconds. The bird then flew away and the "dooo hee" was repeated by another bird. The bird was flying with spread wings, a slight tilt back, and the head and neck slightly raised. The bird was up 100 to 150 feet above the tundra.



Two birds were later feeding quietly in a grassy area, which a third flew up and about noisily calling "dooo hee". Finally one of the birds to return. A very noisy song.

Calidris alba

P. De Benedicts
1965

Calidris albas

15 June

Barrow, Alaska - about 1730 saw a single bird. I ^{1st} was watching a Baird Sandp. then this bird ~~up~~ jumped out, landed fed, and then took off for about 100 yards, going up to about 40 feet hovering ~~then~~ ^{against} the wind and flying like a Spotted Sandpiper with a quick, stiff wing beat. It hovered for 1-2 minutes, so far off I couldn't tell against the wind if it was making any noise, then came down towards the animal hut, still flying stiff winged and lost it to sight. About 3 minutes later a Baird's Sandpiper came whizzing by, the Sandpiper in hot pursuit, flying silently; the Baird's landed and the sandpiper went past about 5 feet to another exposed mound of soil and fed. I then lost it to sight. When I got to the animal hut there was a sandpiper, alone, feeding along the edge of a melt pond, in gravel, sometimes in and sometimes out of the water. It ~~was~~ ^{performed} about between feeding motions and appeared to get something each time I went through a series of feeding motions; It took food from the surface or near the surface, at most sticking the terminal quarter of the bill into the gravel, and often appeared to be crushing large prey items in the beak with a rapid series of motions as if it were jabbing, which was often clearly not the case. It eventually flew off, flushing a second shorebird of uncertain identity.

P. DeBenedictis
1965

Calidris alba

16 June Barrow, Alaska; - Skinned a bird shot near where I saw the bird yesterday. It had a fully unmodified skull and ~~had~~ very prominent sternal keel in spite of the fact the pectoral muscles were well supplied with fat and there was ~~no~~ no body molt.

17 June at least 14 birds were present in the area between South Salt & Family lagoons, this figure obtained from a flock of 7 seen flying over & then flushing a 2nd group of 7 on the ~~ground~~ from the area over which they flew; they were in various states of transition from ~~summer~~ ^{winter} to ~~winter~~ ^{summer} plumage but did not seem to be in much molt. Heard only the "k.it" note and a harsher "kut" from birds flying about and no display. Feeding was similar to the bird seen June 15 and variable as to location. These are probably migratory birds and I will be surprised if they stay around. Largest group seen together was 7.

19 June Saw two birds together on two occasions in the area where we saw them June 17 but no evidence that they are territorial. They were active in feeding and took most prey with short pecking motions; They were not as noisy as yesterday.

20 June Only 3 ~~single~~ observations of single birds in this area today, but possibly all of different birds. Only heard ~~the~~ call note "k.it."

P. De Benedictis
1961

Calidris albus

21 June Barrow, Alaska - a single bird seen on two occasions between St. M. Salt lagoon.

22 June Gone.

Calidris alba

Calidris albes

14 June

Barrow, Alaska

The Sanderlings seem to be at it this year again in the Barrow area. I saw a pair of them on a grassy area about 1/2 way out; I soon disappeared, but the other two were involved in a long fight, which began as a low chase over the ground about 3 feet up. The pursuing bird called "toozy, toozy, toozy.....", a low raspy ~~audible~~ (from 20 feet) note. The birds launched and one went into a pronounced hunched like the Semipals. I saw on the Census plot at Pleasure River, and would alter note these at the census. The group on the 2nd plot, which seemed to be fighting. The object of contact seemed to be jumping on the back of the opponent and about 2 ft. up, the winner was perched at the opponent's head. When one bird had been jumped it flew off after 3-5 minutes of fighting, and the other took about 2-3 minutes later for a 2nd fight about 10-15 minutes later. The ^{action} of chase with the pursuing bird giving the rapid "toozy" note. They landed about 50 feet apart this time, and no more fighting was seen. The "toozy" call is rather common, and the fighting is probably characteristic of many of the individuals. aggressive neutral posture



Calceolaria *ellae*

15 June

London, 18. 11. 52

They seem to still be at it. Saw a brief arrival
class, which ended without fight, and two
a three short song performances. The arrival
class began with a song and went into an
"hoig" note -

woort woort woort woort hoort hoort hoort

Expenditure

11/20/2014


The song is given from a low hovering flight, the posture like songbird, but in position, about 6±2 feet from the ground. It did not stay in measure for any length of time. The note is low and short, barely audible in the noise from 30-40 ft away - a slightly descending "wee-er" repeated several times in the song. No ground display noted after the song.

Calidris pusilla

P. DeBenedictis
1965

Calidris pusillus

10 June Barrow, Alaska - two birds were seen near a gravel-tundra area near the hab area; one was 1st seen flying in and when I went over ~~it~~ 2nd bird flushed from along a puddle and flew off a short distance. I then located the 1st bird near a large puddle in the gravelled area. One of the birds went into a display flight quite like the flight song of a snipe (Capella), but neither bird seemed to be attached to the area as both left after I had disturbed them.

11 June at least 9 birds were present in the area checked yesterday, mostly in pairs or groups of 3, a few singles and the groupings quite labile. Saw the "snipe" = "motorboat" display several times, the birds circling ~~with~~ the wings in a  d. bedial, the primaries open, and ~~for~~ accompanied by a pulsating call; the birds generally flap stiffly or glide in a arc while giving this and often when 2 birds are together only one shows the display; the whole thing reminds me very much of a vocal display of the Snipe seen in late May at Bridgeport this year.

12 June Only one in the Barrow area. There were ~~no more~~ between 15 + 20 birds along the Nth & W side of Family Lagoon. Still groups of 3-5 birds but many singles and a few pairs. little display but this likely due to the weather. Bird show a pronounced tendency to feed in highly disturbed, bare ground or between clumps of grass thereon and pecked almost exclusively. little display.

1965

Calidris pusillus

- 13 June Barrow, Alaska - there were at least 6 birds in the tundra area today, including a few birds giving the ~~flight~~ song, but little ground display was seen. Saw 3 birds together giving the flight song. Along the side Family Lagoon much the same, fewer individuals evident than yesterday and only a little flight display. Animals appear to peck more than anything else and tend to feed in bare, highly disturbed areas.
- 14 June Only a few birds seen in the raised areas along Elson Lagoon. 1 or 2 flight songs seen.
- 15 June no change from yesterday; few birds in the tundra area.
- 16 June one seen flying by the AAAC3 area in the A.M., and two rather silent birds by Elson Lagoon in the afternoon.
- 17 June almost no display today, but some aerial song vocalization. Hundreds of birds flew around. Very scarce now compared to June 12-13.
- 18 June Considerable display late in the day near the outer part of the tundra area. The display differs from the other Calidris (esp. Bairdi) in that the bird goes rather quickly into the "tick tick tick" motor boat displays without any other prolonged vocalization; they generally glide with the wings in a V and the other call notes are not as grating as the other "peep". Still see several ♂s together.

P. DeBenedictis
1965

Calidris pusillus

19 June

Barrow, Alaska - one was seen flying along the Beach Ridge in the morning and 3-4 pairs were seen near the 10th area in the afternoon. The aerial display was given frequently, consisting of a rapid but usually low flight up to 20 ft. with the note-boat given constantly. Two birds together along the edge of a trough with standing water were watched for a couple of minutes as the smaller fed in the water and the larger stood on a pebble near by; both gave short (6-10 notes) series of tr-tr-tr... notes like the flight song, the notes of the smaller bird being deeper. They called antiphonally. After this a third bird, which had been with a 4th in a similar area flew in giving the flight display call, landed and went into a "wing out" display similar in form to L. bairdi's and chased the 1st small bird. All three took flight but the larger soon landed and the other went into a prolonged chase involving the aerial display. The ~~posture~~ ^{wing out} posture was:



Later saw two birds together feeding at the edge of a mud puddle; 2 others in a chase nearby, giving the note-boat call, came to about 10 feet away and the smaller of the two birds got

P. DeBuedick
1965

Calidris pusillus

19 June

Barrow, Alaska - went into two rapid wing ups, raising only one wing, and alternating wings near the larger bird on the paddle. The posture was similar to the "wing out" except that its wing was held higher up.



and the motion of the wing was more discrete. The wing was held up less than I heard.

Got glimpses of one interaction that may have been either a nest up or a copulation but the birds were hidden in the grass; and no cop could be found.

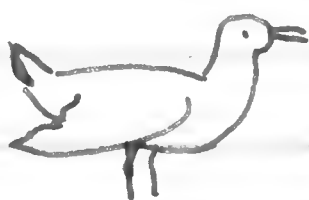
20 June

Saw considerable ground display, involving a tail up with the wings drooped and a wing up as seen yesterday, possibly these being more or less complete versions of the single display.

It is much more ritualized than thought and can be given by a still bird although usually seen in chase. Saw one or two wing outs, and heard and saw many flight songs.

21 June

Birds were moderately vocal, primarily flight display and ground "trilling". Saw 4-5 ground displays, 1 wing up and 3 "tail ups" in which the stance is



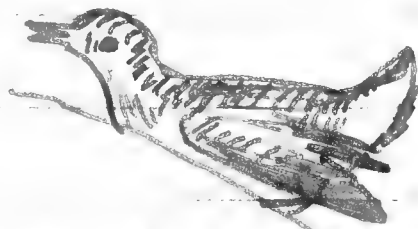
and the tail call is given, close to a 2nd bird; didn't see any attempts at copulation. and no sign of nests.

P. DeBenedictis
1965

Calidris pusillus

22 June

Barrow, Alaska - This was the noisiest of the shorebirds seen today, but most vocalization was the trill given on ground displays. The flight call seems to be an abrupt "chink chink" and the aerial song is deeper than any of the ground calls. A ♂ in a nest cup display was on the crest of a low polygon ridge about 2-3 feet from a ♀. It flew to the spot and landed with a wingup then went into the posture:



and called "tr tr tr..." continuously. It did not move and the ♀ did not appear to be interested; after about 10 seconds the ♂ got up and began to feed. Several birds seen seemed concerned about my presence but I could find no nests. One feeding, apparently watching me with one eye & the ground with ~~the~~ ^{the} ~~another~~ when it ran into a wire about 1/4" off the ground & tripped.


23 June

Saw 2 ♂s in pursuit of a ♀, all three landed in a tussock of grass (or old humming nest) and the 2 ♂s then got up and flew ~~away~~ ^{away} giving the motor beat. When Scaup probe they do so in very soft substrates, preferring to peck where the soil is more firm.

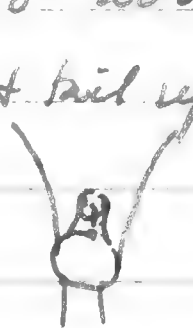
P. De Benedictis
1965

Calidris pusillus

24 June

Barrow, Alaska, - birds seem somewhat disturbed by my presence but as usual no sign of any nests. Heard a little aerial display, which as usual seems lower pitched than the ground trills. Saw occasional "tail up" given by lone birds and they frequently gave a low trill and flew off with a stiff, odd wing beat  when approached. They fed in open spaces ~~and~~ preferred wet areas but one was seen feeding on a bare, rather dry polygon.

A ♂ was seen chasing a ♀, first with the wing & tail up,



then tried to mount the ♀

in a tail up, wings down posture



on two occasions; each time the ♀ walked out from under the ♂ as it tried to mount & eventually it flew off. The ♂ gave a ~~short~~ ^{slow} trill the whole time.

25 June

Saw a pair on the Beach Ridge and ^{another} near Pitko's Census Plot and a single in Central Marsh, no display, ~~in~~ the morning. Scaup are widely scattered in the afternoon, more being towards the road than elsewhere. One tail up - wing down was seen.

Nest 1

Hamilton showed me a nest with 3 eggs, and 2 aerial displays (short) were seen here. A pair together fed near the edge of a trough sticking very close to other and tolerated completely a Western Sandpiper.

P. DeBenedictis
1945

Calidris pusillus

25 June Barrow, Alaska - When the ♀ flushed from the nest she flew with the tail down & spread, the white on the sides of the tail conspicuous and went into a brief distraction display when she landed.

26 June Barrow, Alaska - not much in evidence near Dr. Pitelka's census plot. In the evening Bob Hamilton and I found 2 nests in the Banel area behind the Animal hut, each located along the edge of a polygon in relatively high ~~dark~~ grass and each with 2 eggs. The ♀s attendings have a fluttering flight when approached and are very nervous when we get near the nest but both went back on when we were only about 40 ft away.

27 June Hamilton and I found 4 more nests today, two in the Banel area, each with 4 eggs, and 2 in the WOTH area, each with 4 eggs; Nest 1, ~~3~~ 4 are unchanged and nest 2, which Hamilton found yesterday, has 4 eggs. We saw 4 birds together on one occasion but believe them to be nesting pairs which are located well away from the areas in which they are now feeding. The display seen on the ground but still short flight songs to be seen when ♂s are disturbed. One strong distraction display was seen, the bird going off with the tail down and one wing dragging, when we nearly trod on its nest.

28 June The bird on Nest 5 flew off giving a strong distraction display (next page) and nothing was near Nest 3 in the AM or PM. Saw only single birds near the nests but pairs

P. DeBenedictis
1965

Calidris pusillus

28 June Barrow, Alaska - (cont.) are not unusual near the feeding ~~area~~. Saw two males "court displaying" over Micromet Marsh and still a few birds present near Nest 3. The distraction display involves a crouch, the wings folded but drooped and the tail down but spread. The bird looks back over its side as it goes off and calls a high pitched descending "weeeaaaah" lasting $\frac{2}{3}$ of a second repeatedly.



29 June Found 3 new nests today, two near Britton's area along VOTH Creek with 4 eggs each and one with 3 eggs N of Micromet Marsh. No change in the other nests except that Nest 3 now has 3 eggs and was attended by a bird that gave a strong distraction display. There are probably 3-5 more pairs along the road in the VOTH-Britton's area and as many between the Lab and Micromet Marsh. All seem to be paired. Saw a flock of 5 fly into the Marshy area by the FAA towers in the afternoon. Saw a male worried about by pumkin stop and vigorously chase a Brind's on two occasions in Micromet Marsh, and the reverse in the VOTH area.

30 June Although the species was fairly numerous in Central Marsh they were not tightly flocked, and pairs were occasionally seen to leave the "group" and fly out

P. De Benedictis
1965

~~Ch~~ Calidris pusillus

30 June Barrow, Alaska - on in from over the Beach Ridge.
The flock stayed in rather disturbed areas and associated
beachably with Rufous-necked and Western Sandpipers.
Didn't check all nests and no change in those
checked - didn't see as many this time as yesterday.

1 July found 2 additional nests and discovered Birds Nest
NEST 11-14 2 = Semipal Nest 14! No change in any nest in the
SE part of the panel area, all attended; the
15 two nests (3+5) only have single birds near them
and I can't find the mate; only one at 14 and
pairs at ¹² and 13. McClean found another nest
near 14; which I had been aware of earlier -
and there are still birds to come!

2 July. The small group is still present in Central Marsh, probably
is about the same numbers as June 30, but there was not
as completely checked. I checked all the nests (except 5)
in the area from the hub to Mironet, seeing McClean's

NEST 16 Nest and finding one more - there are not many to go
now! There were enough ♂s to account for all nests except
Nest 3, which seems to be occupied by a lone ♀. The situation
around Nests 11-15 is confused as there sometimes
appear to be too many ♂s. The males now often hiss
up as if to give the fight song but instead fly silently
around (? the perimeters of their territories). In this area
there is not as much wandering as I had thought
but the territories are large and it is easy to confuse
pairs; never saw more than 3 together. Here were
the above confusion was noted. Some birds sit very tight

P. DeBenedictis
1965

Salicinus pusillus
~~Bauw~~

2 July Bauw, Alaska, - going into a strong distraction display when I approach, while others jump off when I am 40-80 feet away and make no noise until they are well away from the nest. While birds are distracted they occ. fly over the nest as if to check the contents without giving it away.

4 July There was considerable activity of this species in the VOTH area, involving at least 3 and probably 4 ♂♂ and 2 or 3 ♀♀. At one time 3 ♂♂ were seen V-gliding together, ~~at~~ and lone males were frequently seen V-gliding, either silently or giving a trill. "tētētētētē..." softer than the song, which was seen & heard 4 times in 5 minutes. 3 semipals feeding near a Baird's show some interspecific actions, involving 1 chase of the Semi.'s by the Baird's and 2-3 chases of the Baird's by the Semi.'s, the latter the successful as the Baird's finally left. On one occasion as the two approached the Baird's went into a partial double wing-up and the semipal went into a hunched posture and chased the Baird's away.



I checked nests 4, 14, and 16, finding no change and only one bird at each. When I checked 14 the (♂?) got off and went into a distraction display; I then checked Baird Nest 5, the ♀ of which also went into a distraction display towards the Semipal. When the two came together the Semipal went into a partial double wing-up display.

P. DeBenedictis
1965

Calidris pusillus

4 July Barrow, Alaska - and began chasing the ♀ Baird's which remained in a distraction display. The interactions between Baird's and Semipalmes are more than co-incidental but the territories of the two do overlap at least in part.

5 July I was shown another nest found near live wire on the evening of 4 July; it contains 4 eggs according to Hamilton and is in an area where I thought birds were coming to feed off territory. I now wonder if nests won't eventually be found to accommodate most of the cases noted earlier, as seems to be happening behind the lab. One ♂ seen in the evening got up and went into a long display flight with occasional songs. Nest covered about $\frac{3}{4}$ mile and went over 5 marked nests, from trap line II to the 20TH area. There seem to be fewer of these in Central Marsh now and they were more conspicuous in North slough though only through the end of the line in this area.

6 July a flock of 8 birds in the NE part of Central Marsh were the only ones seen.

7 July Made a complete check of the birds ~~drawn~~^{back} from the lab in the morning, which was greatly complicated by the presence of obviously transient individuals. I noted pairs at nests 4, 16, 15, 12, 13. Birds which I took to be ♂ due to their short bills and a tendency to rise in the air giving a tilt were noted at Nests 5 and 14, and birds which I took to be ♀s were noted at Nests 3 and 11. There was no change in eggs

P. DeBenedictis
1965

Calidris pusillus

7 July

Barrow, Alaska - number at any of the nests. There was a lone, extra bird (♀) between Nests 16 & 5, and extra ♂ between 4 & 5 and 15 and 12. Additional a flock of 9 flew in from Fresh Lake directly over Nest 5 (receiving no challenge) and landed in the unoccupied area between Banded Nests 4 and 6; and at least 4 birds were present within 20 feet of Nest 15; one of these birds was challenged by a member of the pair (given a double wing, wing up) but after this they were tolerated. This group plus a group of 3 seen in the weasel tracks going to the USCGS shack were in company with 4 Pectorals. ~~Two~~ displays were heard and 3 ♂s were seen around nests 12 & 15 but otherwise they were fairly quiet. When nesting birds are flushed they often give a ^{low,} sharp, rough "tscherk." or "tscherek." When I flushed the ♀ off nest 15 a jaeger which was attacking me saw her in the distraction display and flew down & tried to eat her; the ♀ pusillus would get up and fly only far enough to avoid the jaeger. The situation is but less complicated in the Voth area. I checked all the nests; saw no birds at Nest 2, one at Nests 1, 7, 9, 17 and 20, all of which were believed to be ♀s, and single ♂s (by song) at nests 10 and 18. Pairs were noted at 8 and 19, but at these they were only loosely associated. Additionally a group of 3 ♂s and a ♀ ^{lone} was seen between Nest 7-8 and 18, and a ♀ was seen west of Nest 7 across the weasel track. The bird on Nest 9 flew in to the nest from the head of the small streamlet near that nest. The ♂ at nest 19 displayed frequently

P. DeBenedictis
1965

Calidris pusillus

7 July

Barrow, Alaska - as did males in the early spring, leading me to suspect it ~~was~~ ^{is part} of a recently established pair. The whole picture was complicated here as it & another (2 others, one the ♂ of Nest 8) ♂ displayed together (or to each other) on several occasions, and a 4♂ aerial display was seen on one occasion. See July 4. These "upstart ♂s" have greatly excited the ♀ to Nest 8; a suspicious ♂ was seen on the ground, in an alert posture, then it went into a trill given the tail up and walked forward. The trill, low of pitch and volume continued; the ♂ went into a gony area and went into a nest up posture, the tail up, wings closed and breast to the ground, but no turning, then rose and continued the trill. After a short time it stopped, then after another interval and hovered 8-12 feet up giving the "motorboat" song for about 30 seconds, landed and went to the tail up and worked to Nest 8, trilling occasionally (once $\frac{1}{2}$ ft from the nest) and sat. The whole procedure was done about 20 feet from the nest & the ♀ was 10 feet ~~away~~ ^{from} the other side of the nest, 30 ft. from the ♂, and gave the short melodic tail anxious birds after give. The nest contained 4 eggs when found June 27, and I am at a loss to explain all this, other than it must be worked by by the other birds in the area.

July 8

~~July~~ A flock of at least 8 birds still in the area around ~~nest~~ ^{nest} 7-8 and a little display noted although I suspect the heavy wind depressed it quite a bit. Nest 20 still has 3 eggs but nest 19 has 3 so well, much

DeBenedictis
1965

Calidris pusillus

- 8 July Barrow, Alaska - I suspected it would. The nests checked today were all unchanged in pair & egg status otherwise.
- 9 July Checked all nests for contents only in the UOTL area, and all were unchanged from yesterday. Nest 2 appears to have been abandoned. Little song or evidence of many flocks in the area; fair number were seen in Footprint Lake.
- 10 July A flock of 12⁺ birds was seen along the W side of Central Marsh and scattered individuals, probably parts of pairs were seen near the Meadow Lakes, near the USC & GS shore and along Elean horizon. No song.
- 11 July Nest 1 still eggs and Nest 19 still 3 eggs; none seen in the Ikroavik region.
- 12 July most of the nests were checked today. See nests sheets for data. No flocks seen.
- 13 July The nests in the UOTL ~~area~~ ^{area} were checked but no change in any. a group of 3 near Nest 17.
- 14 July Nest 21 has 4 eggs as noted before and only one bird was seen in the area. The nest is well hidden in grass. A 4 egg nest was found where the weasel road crosses the Beach ridge in heavy grass and was attended by both birds at least yesterday. No flocks seen in the morning. Two seen near him I & II

Calidris pusillus

15 July Barrow, Alaska. Nests 6, 16, 5, 14, 15 and, according to Hamilton, 1 were empty with no birds about this morning. Nest 3 & 12, and 13 were as usual, attended by a lone (?) ♀, this certainly from the long bill of the bird at 3, and a ♂ was seen at Nest 11. A 3 egg nest attended by a ♀ was found west of Nest 15 and a 4 egg nest at the end of the panels in the barrel area, attended by a lone bird. Two odd birds were seen, one east of Nest 22 where the gasline goes off to the POW site and one between Nests 6 and 23, which did not give the appearance of being tied down (the other gave a distraction display then landed on the gasline). No trace of any other birds found despite careful search. See C. bairdi.

16 July Bird sh // on nest ²² ~~21~~.

17 July Went to the VOTH area and checked a few nests and found a new 4-egg nest which appeared to be attended by a ♂. Nests 7, 8 and 18 were empty, Nest 19 with 3 eggs and the ♀ present. A pair of semipals was found about 75 feet N of Nest 7, with 2 chicks and one was heard near Nest 18 but couldn't be found. a ♂ with 2 chicks was found about 1/2 mile W of Nest 7 across the weasel road and clearly represents a nest not found earlier (2 semipals were seen in the area before the chicks were found). The latter bird may have had more yound as it flew from one area where 2 chicks were seen to an area where I thought I heard young squeaking. It was wary and was not seen to brood the yound.

Calidris pusillus

17 July Barrow, Alaska - when a jaeger flew over the area the adult would fly up to 20-30 feet close to the jaeger and circle giving a trill not the motor-boat song, and when it landed it would fly to the two areas where I suspected young to be. The "tscherk" note may be a warning note to the young, and the chicks seem crawled somewhat clumsily to the adult when it gave a series of low, soft, short trills "m m m". The other chicks could move fairly well and the ♂ was very excited when I caught one to photograph it. They crouched only once and ran when I got to within 6-7 feet. Hamilton said either nest 11 or 12 is hatching (1 egg, 1 piped, 1 chick - but prob Nest 12 with one chick out). Nest 1 was hatched 2 chicks and 1 egg. I went here again about 7 and found the same - 1 chick in, 1 about 1 foot away and 1 egg - I took 1 photo and ran out of film; went back to the lab, reloaded the camera and returned to find 3 adults in the area and both chicks out. Eventually both chicks and a brooding parent were found and photographed on the nest and the odd adult disappeared. Nest 6 hatched and 1+ adult in the area but no chicks seen.

19 July Nest 13 hatched, the young in the nest. When the local jaegers flew by the adults towered and circled, often coming close to the jaeger. A pair which acted like they had young were found just east of the gravel road from here.

20 July Nest 3 was empty and there was at least one adult fairly far from the nest in the area.

P. DeBenedictis
1965

Calidris pusillus

21 July Barrow, Alaska - a pair found along the gravel road west of Nest 5 was alarmed by my presence but did not appear to have young. Nest 22 still with 4 eggs. Not seen elsewhere.

22 July a pair with two chicks was found in a trough between west of Nest 3 & north of Nest 4. No other seen behind the lab until the region of Nest 22; where the pair were present and greatly excited - there were 2 chicks, 1 egg and egg shells in the nest. a ♂ was very alarmed by my presence near the pectoral's nest, presumably the pair from nest 13 and nests 12 and 11 have hatched. There was a dead chick in 11. Single birds were seen near each nest and they appeared to be attending young. As before they tower into the air when approached. They will not hood as readily as desulcirostris. Nests 23 had 4 eggs, but these were cool and no adult was seen in the area.

In the OOTH area Nests 20 and 25 were empty. adults that acted like they had young were near nest 25, 17 and 3 pairs seemed to be involved. A bird that acted like it had young was near the 10.0 end of III B. There also were 2-4 "non breeding" birds in the area. No young seen. Heard one short "motor boat" from an excited ♂ near nest 25. See pomanine Tanager.

23 July The only birds seen were along the gravel road at AAC. The two nests on the Beach Ridge (21 and 22) were empty.

P. DeBenedictis
1965

Calidris pusillus

24 July Barrow, Alaska - There were at least two pairs which acted like they had young - high flights and distraction displays - near lines IIIA-3 and 3-5 birds in with a group of golden Plover that I judged to be migrants. Additionally ~~a few~~^{1 or 2} others were seen along the road to the garage near nest 7. Checked Nest 19 in the evening - 3 eggs, the pair probably present. Surprisingly there were a lot - at least 3 and probly 5 or 6 pairs in the flat to the bio-center polygonized area across (east of) VOTH Creek from the VOTH area. All acted as if they had young and eventually two well grown chicks were scared up and one captured and examined. It was downy on the body but the flight feathers and their coverts and some scapulars held ~~was~~^{were} projecting a 1/4 inch from the sheath and the legs were not obviously "too large" for the bird. There were adults were in the area. I wonder if adults that loose their chicks don't try to adopt another pair's chicks if they happen to come across them soon after the loss - at any rate these large chicks were clearly being tended by two birds and a third was interested. Elsewhere the solicitous semipalms adults seen were all paired. The chicks were in a wet, grassy ~~low~~^{low}-centered polygon when found and most adults seen were in similar areas though often near the moister troughs.

25 July All birds seen were in the VOTH area; they clearly are a bird of coastal areas.

P. DeBenedictis
1965

Colinus passillus

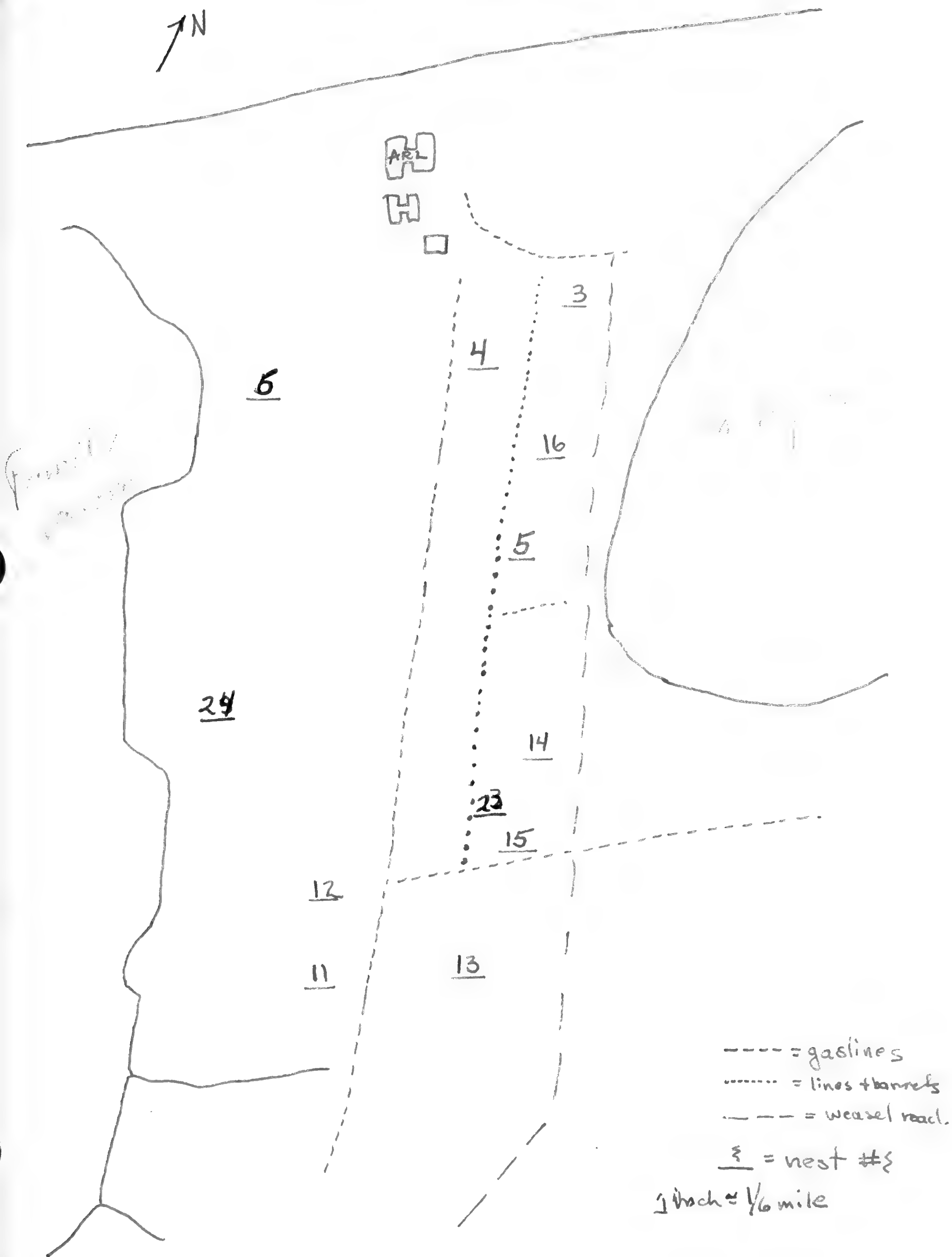
26 July Barrow, Alaska - Nest 19 contained one dry young bird and two eggs. The pair was present. At least 2 other pairs near by, near nests 7+8, with young judging from their behavior. Nest 9 empty and the marker for Nest 10 had been moved.

27 July Nest 19 with two cold eggs, collected in the evening. Both were infertile, and weight 5.9 and 6.8 gms. Nest 25 with shells littered all over the cup. No adults seen near Micronet but several in the VOTH area. The parents were near Nest 19 but not concerned with the nest in the AM.

P. De Benedictis
1965

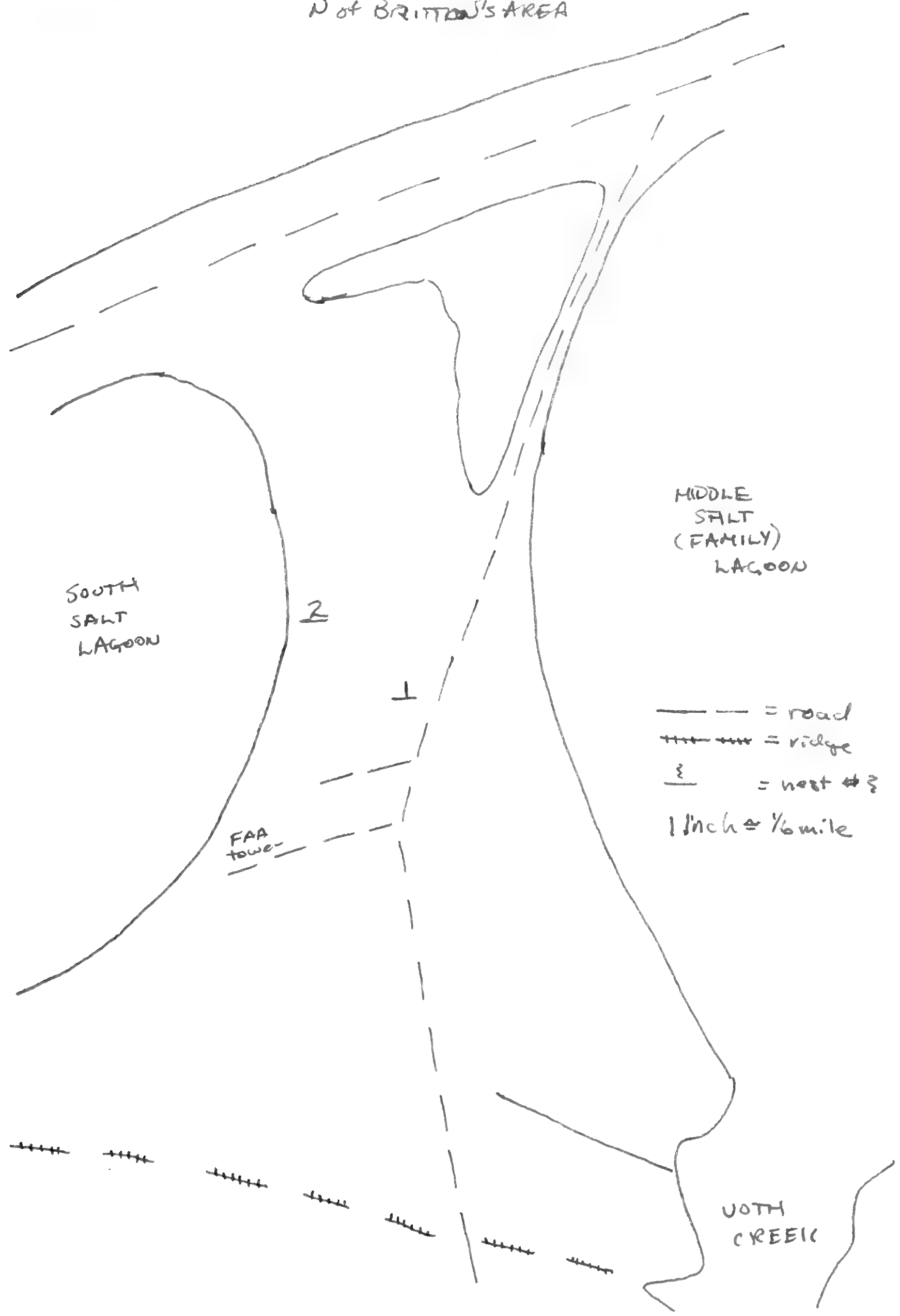
Calidris pusillus
nest locations
ARL to MICROMET

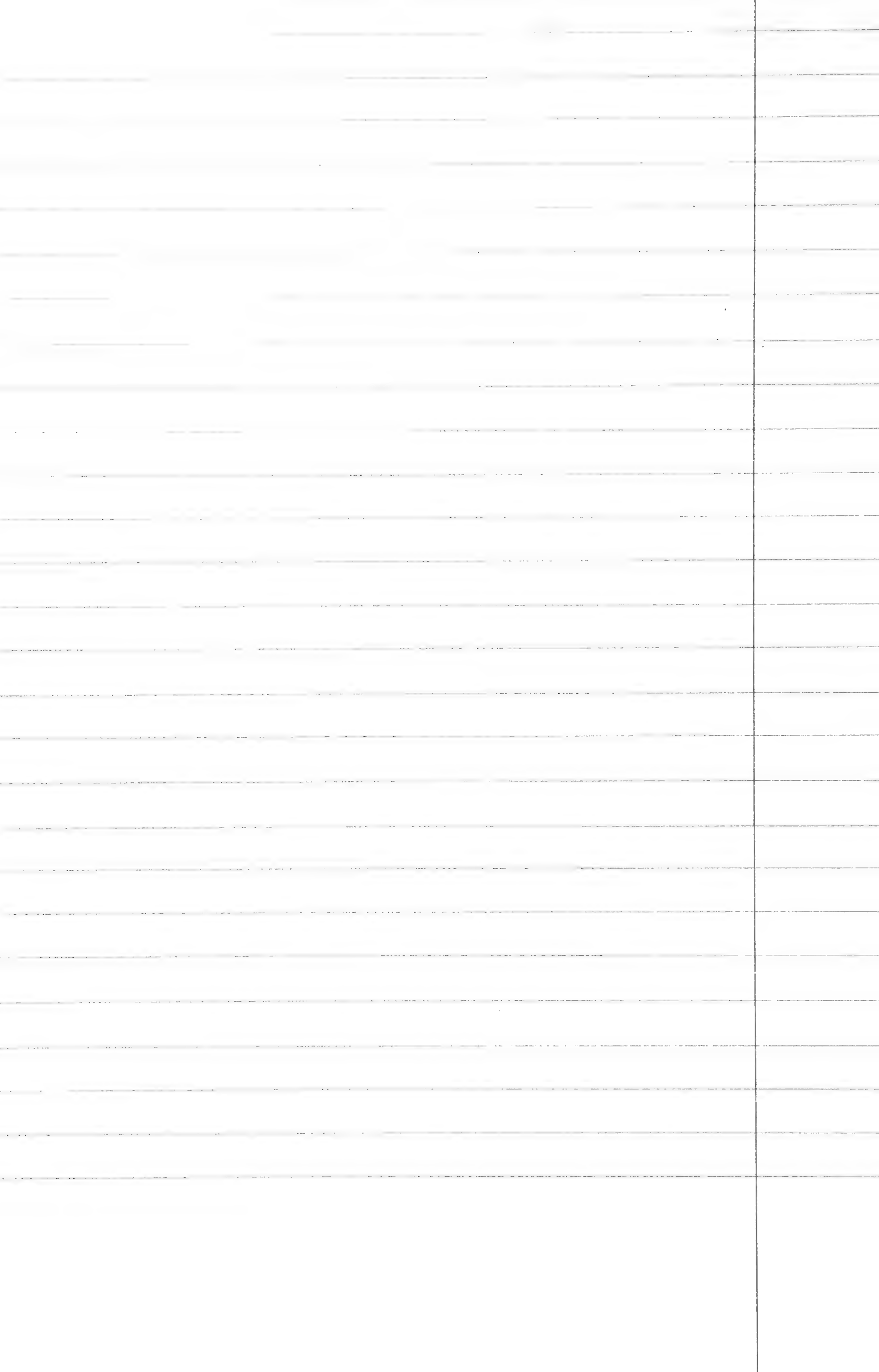
↑ N



P. DeBenedictis
1965

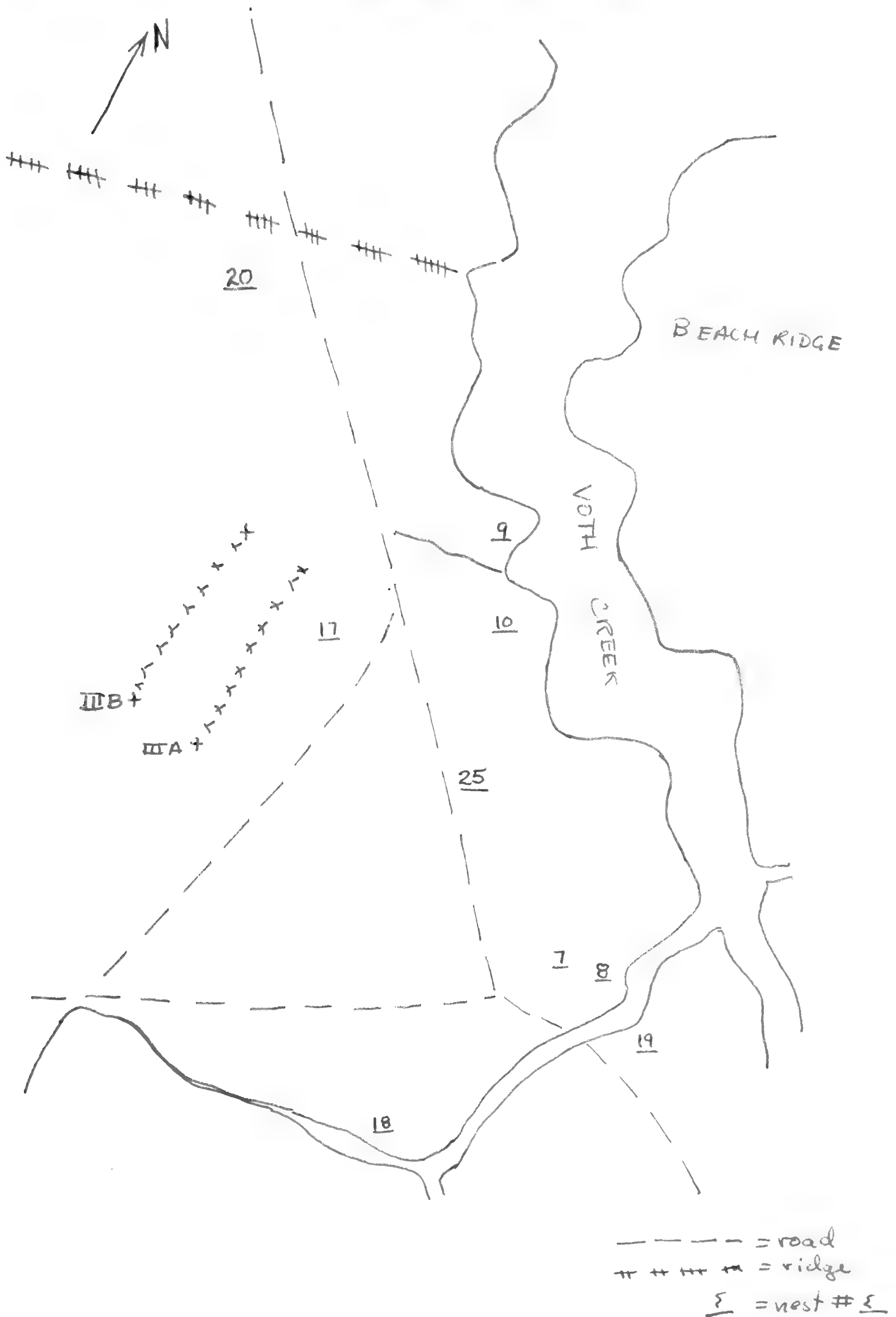
Calidris pusillus
NEST LOCATIONS
N of BRITTON'S AREA

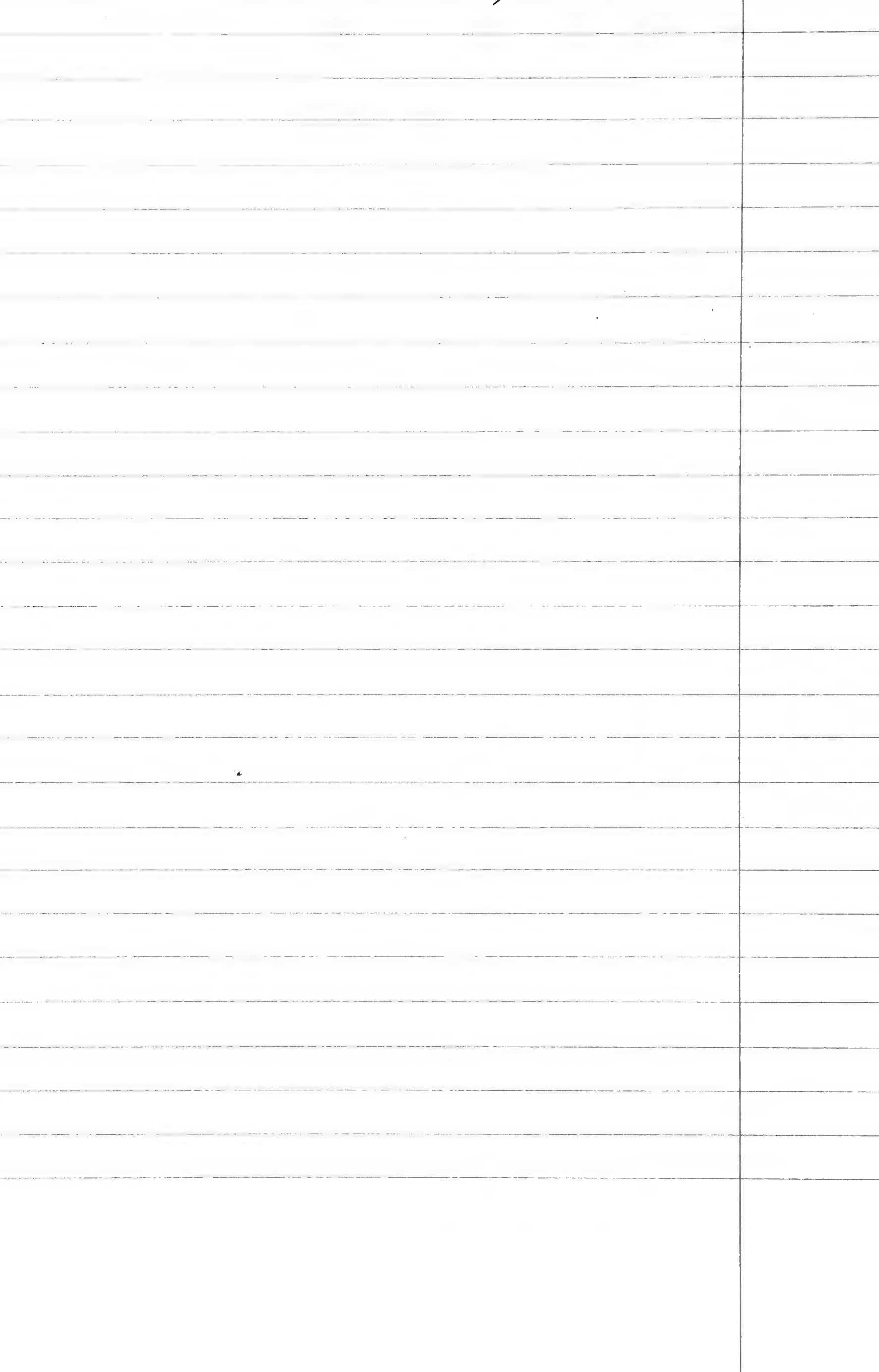




P. DeBenedictis
1965

Calidris pusillus
location nests
Britton's to VOTH area





P. DeBenedictis
1965

Nests
Calidris pusillus

NEST #

	DATE	LOCATION	NOTES
1.	25 June	N of FAA Tower	3rd egg laid this afternoon. in moderately tall grass near trough on low polygon.
	July 7, 8, 9, 11, 12, 13, 14		3 eggs. ♀ in attend.
	July 15		empty. semipal heard but not seen in the area.
2.	26 June	E. shore S. Salt lagoon	cup concealed by tall grass; 4 eggs: on high polygon
	July 7, 8,		" none in attendance; eggs warm
	July 9		" eggs wet and cold.
	July 12		eggs collected
	/ / / / / / / /		
3.	26 June	NE. end Barrel area	in grass at edge of raised polygon 2 eggs: (same June 28)
	27 June		2 eggs. no parent in attendance
	29 June		3 eggs, ♀ sitting
	1 July, 2, 7, 14		" "
	17 July		1 egg, 2 chicks ♀ parent
	20 July		empty
	21 July		♀ 2 chicks found 100 yards W of nest

P. DeBenedictis
1965

Calidris pusillus

NESTS

NEST #

	DATE	LOCATION	NOTES
4.	26 June	NE end barrel area	in mod. tall dead grass on high polygon 1 foot from trough. 2 eggs. No change June 27, 29 (PM.), June 30 (A.M.), ♀ in attendance all visits.
	1 July		2 eggs, (♀?) sitting. ♂ July 2, 7
	12 July		empty, no birds around.
	/ / / / / / / / / / / / / /		
5.	27 June	SE end Barrel Area	4 eggs; in mod. tall grass on large, moderately tall polygon.
	July 1		4 eggs; ♀ in attendance.
	July 7		flock of 9 flew over nest unchallenged. " only a prob. ♂ noted; 3 ♂s in area.
	July 12		" , one present only
	July 15		empty, no birds in area
6.	27 June	NW end Barrel Area	4 eggs; in tall dead grass on ridge between weasel tracks.
	July 15		4 eggs one in attendance.
	July 17		empty one bird in the area

P. DeBenedictis
1965

Calidris pusillus

NESTS

Nest #	DATE	LOCATION	NOTES
7.	27 June	NE of Voth area	4 eggs in moderately tall grass on flat nr. disturbed area. ♂ in attendance 29 June.
	July 7, 9, 12		4 eggs ♀(?) in attendance
	July 12		" ♂ present
	July 17		empty ♀ + 2 chicks found 75 ft N of this nest.
8.	27 June	NE of Voth area	4 eggs; nest well covered, in tall grass on dry level slope.
	July 7, 9, 12		4 eggs. ♂ in attendance
	July 12		" one present
	July 17		empty no birds found in area
9.	28 June	W. of lines IIIA-B	4 eggs: nest on rather steep hill side in grass and low forbs.
	July 7, 9, 12		4 eggs 1 in attendance
	July 26		empty

P. DeBenedictis
1965

Calidris pusillus
NESTS

~~DATE~~

NEST #	DATE	LOCATION	NOTES.
10	29 June	W of lines IIIA-B	4 eggs, ^{nest low on hillside in tall} grass.
	July 7, 9, 12		~4 eggs, ♂, ? ♀ in attendance.
	July 26		snake removed, ? empty
11.	29 June	S of Micromet Marsh	3 eggs ^{nest in tall grass on low} polygon. 3 eggs A.M. June 30.
x	1 July, 2		3 eggs ♀ present.
	7 July		3 eggs, prob. ♀ only noted but ^{unaccounted} ♂ seen near.
	12 July		" one only
	15 July		" ♀ present
	17 July 21 July		1 dead chick in nest, 1 adult 100 ft SE of nest, acted like it had young.
12.	1 July	S of Micromet Marsh	4 eggs ^{in mod. tall} nest on low polygon grass
	July 2, 7,		" ♀ present
	July 12, 15		" one only
	(July 17)		1 egg, 1 piped, 1 chick - bide RBA Hawk (100 ft)
	July 21		empty. 1 adult acted like had young ~100 feet west of the nest.

P. DeBenedictis
1968

Calidris pusillus
NESTS

Nest #	DATE	LOCATION	STATUS	NOTES.
13.	1 July	S of Micromet Marsh	4 eggs	♂ in attendance. on low polygon in mod. tall veg. 1 bird present then other tolerated.
	7 July	"	"	♂ present + 4 others (at least one pair)
	12 July, 14	"	"	one only
	19 July	"	4 young	♀ present, young in nest, no shells.
	21 July	"	♂ (with young)	♀ (with young) 100 ft east of nest.
			+	
14.	28 June	S. of Micromet Marsh	1 egg	♂ in attend. on low grass in level area
	29 June	"	2 eggs	P.M. no birds in attendance
	30 June	"	2 eggs	no birds in attendance
	1 July	"	3 eggs	one in attendance
	2 July	"	4 eggs	" " "
	7 July	"	"	prob ♂, by aerial display, present
	12 July	"	"	one only
	18 July	"	empty	none in area
15	1 July	S. of Micromet Marsh	4 eggs	(hide S. McClean) on mod. tall grass on slope
	July 2, 7	"	4 eggs	♀ in attendance
	July 12	"	"	"
	July 15	"	empty	none in area.

P. DeBenedictis
1968

Calidris Passillus
NESTS

Nest #	DATE	LOCATION	STATUS	NOTES
16	2 July	SE Barrel Area	4 eggs	♂ in attendance. on raised polygon in low, dead grass
	July 7, 9, 12		4 eggs	♀ present
	July 15		empty	no birds in area.
17	3 July	S Eriton's Area	4 eggs	found by P. K. & Hamilton on polygon in grassy area
	4 July 5, 7, 8, 9, 12		"	? ♀ only in attendance.
18	7 July	S UOthl area	4 eggs	♂ in attendance
	July 9, 12	"	4 eggs.	
	July 17		empty	- ? bird in area.

R. D. Benedict Jr.
1965

Calidris pusillus
NESTS

NEST #	DATE	LOCATION	STATUS	NOTES
19	7 July	S. VOTH area	2 eggs	on hill side in sparse low grass. ♀ present, ♂ displaying.
	8 July		3 eggs	♀ present
	9 July, 11, 12, 17, 24		"	"
	26 July		1 young 2 eggs, ♀ present	
	27 July		2 eggs	♀ ~35 feet from nest not concerned about nest in A.M. no birds in area p.m., eggs collected.
20	7 July	S. Britton's Area	3 eggs	in tall grass on slope 6' from alpine nest 4; ♀ present only
	July 8, 9, 12, 13		"	one present only
	July 21		empty	no birds in area (poor search)
21	4 July	W, U.S.C. & G.S. shak	4 eggs	found by McClean
	July 13, 14	"	"	in tall grass on ridge one present
	July 23	"	empty	no birds close to nest

P. DeBenedictis
1965

Calidris pusilla

NESTS

Nest #	DATE	LOCATION	STATUS	NOTES
22	14 July	Beach Ridge	4 eggs	in tall grass 4' from aerial roost; ♀ present in area 13 July.
	20 July	"	"	one present, sitting very tight.
	23 July	"	empty	no birds seen in area
23.	15 July	SE Banded area	3 eggs	in grass on slope ♀ present only
	21 July	"		2 chicks, 1 egg ♀ present shell in nest
24	15 July	SW Banded area	4 eggs	in grass on disturbed polygonized area. (♀) present out
	21 July		4 eggs	eggs cool, no adults seen.
	27 July		4 shells	predated

P. DeBenedictis
1965

Calidris pusillus
Nests

Nest #	DATE	LOCATION	STATUS	NOTES
25	17 July	N. Voth Haven	4 eggs	in grass in low center polygon; ? ♀ present only.
	21 July		empty	2 ♂, possibly from another nest in the area

Calidris pusilla

Callipepla pusillus

30 May Meade River at Mile, $159^{\circ}25'W$, $70^{\circ}34'N$, Alaska

One seen feeding with a western phalarope on the sandy flats 1 mi. N of camp and a 2nd bird later came in, the two flying off together. I saw flying south along the Meade and 1-2 heard singing near the village about noon. Not a conspicuous species. Two "pup" seen in field gave a odd plow-like note I have never heard before, not sure probably this species. 6 flushed from a better bare ground to ground along the River about 10:45 AM. They flew off.

31 May At least 4 near the creek and heard a little song. One or two were over the camp area and one over the "meadows" plot area in the afternoon. Don't see them on the ground after.

1 June Only one seen on the ground, feeding in a mossy-green meadow near the village. One 4 others heard. One song.

2 June Still have birds feeding on the ground. Two or 3 near the village, and a little song, but not much evidence of the birds. Some in flight and occasionally flushed in the polygonal area ^{north} of the dunes. Birds seen on the ground are usually over dunes or in the same type stuff. One near the CO₂ Warming and one on the census plot in the evening. Usually seen in flight. I have no idea what they do on the ground - whenever they land.

Colinus pusillus -2

3 June Morice River, East Hill - $17^{\circ}25'N$, $7^{\circ}29'N$, Grade
The birds near the village seem to be hanging out
with the terns. The ones I saw on the ground
had been flushed and fed numerous. except for
one which fed in food sledges in that I could
barely see the top of its head. I watched it.
A little song out most of the time were fairly
quiet. There were two pairs were sitting on the
edge of camp, feeding with terns in a grassy
area and the rest seemed to be in the
singing. One pair feeding in a grassy area
in the Morice R. (was seen feeding near a pond
mostly perched at the surface but occasionally
jabber at each other at the edge of the water.

4 June The birds near the village definitely centered around
the disturbed areas, where they feed out in open
stuff, swimming about and perching at the surface.
There are at least 2 pairs by the village and 1 pair
by the CO₂ streamer, where they work along the
cat tracks and in the low grass covered slopes. There
was a little flight song and some chasing. Saw one
pair feeding on a ice patch in a flooded sandy
meadow, the birds perching at holes in the ice
where grass stems poke through and along the edge
of the meadow in the water.

5 June This species is surprisingly numerous. There are
2-3 pairs around the census plot, where they are
localized along the lake basin and along the river.

Colaptes pusillus -3

5 June

Meade River Coal Mine, 157°25'W, 70°28'W, Alaska
and 1-2 pairs on the first 1-2 miles of the South Bridge.
At least 2 pairs active about camp and 3 pairs near the
village. Considerable song flight and one fight. In two
pairs, the larger appearing bird was the one that sang.
They seem to feed mostly on very open moss-covered flat,
after where the ground is saturated and with hummocks
(mounds and channels) grow to sedge and heather.
They run about nervously, pecking for food items.
Occasionally they go into the Carex marsh where they are
hard to see in the grass; here they feed along the edge of
the pools. Where ground is disturbed, they seem to like it best.
Song from 2 A.M. on, but little feeding evident before
about 4:30. The birds in the village in disturbed areas and
a ♀ again seen on the ice in a Carex marsh.

6 June

There are several pairs near the village. They feed
mostly on a wetland road where there is water
running about 1/4" deep over a mud-moss-Elymus
mixture. The ♂s are very active and chase each other.
Lots of song and wing up, tail up ground display.
None act like they are nesting yet, and the ♂s stay
close together all the time. Occasionally seen chasing
western Sandpegs. In camp two or 3 feed along
the edge of flooded Carex marshes, which is probably a
more natural habitat. It is really quite a common
species along the river, which surprised me. Probably
10-15 pairs within 2 miles of camp.

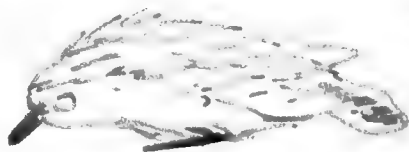
Callipepla squamata - 4

7 June. Meander River and Lake, 157°25' W, 20°21' N. H. 1000 ft.
Birds are everywhere but some nest in the dense
area near camp and the village (H. 1000 ft) and
along the shore of Lake Meander. In the open marsh
areas, they feed at water ^{edges} ~~edges~~, the snow fields, ^{and} ~~and
actively and feeding at ^{various} ~~various~~ ^{places} ~~places~~. Birds were several
times seen hovering over the edge of pools. In the flat
area they are out in the exposed areas and feed in
microtopographic depressions. ^{attracted} ~~attracted~~ ^{by} ~~by~~ ^{signs} ~~signs~~
and most appear to be paired.~~

8 June. 2 or 3 ^{to} ~~to~~ ^{the} ~~the~~ ^{same} ~~same~~ ^{place} ~~place~~. They are feeding
along the edge of Lake Meander and at the same place.
They are ^{active} ~~active~~ ⁱⁿ ~~in~~ ^{the} ~~the~~ ^{marsh} ~~marsh~~ ^{and} ~~and~~ ^{along} ~~along~~ ^{the} ~~the~~ ^{pool} ~~pool~~ ^{edges} ~~edges~~.
on the shore: in the evening they were seen
the shore. They were active, 9 or 10 ft of the water and
4 or 5 ft of the shore. The shore is covered with
spring water and there are the long grasses are mostly gone,
so it. The ducks are about picking at the shore, probably
getting one spring water, but still some ^{are} ~~are~~ ^{seen} ~~seen~~ ^{along} ~~along~~ ^{this} ~~this~~. On the shore they are mostly in active depression
and along water. They are actively displaying and making
song flights seen.

9 June. Feeding in ^{marsh} ~~marsh~~ ^{and} ~~and~~ ^{lake} ~~lake~~ ⁱⁿ ~~in~~ ^{the} ~~the~~ ^{same} ~~same~~ ^{place} ~~place~~
and on the shore, but a lot of them are seen flying
getting, as they are picking at the shore, probably
on the shore. ^{at} ~~at~~ ^{the} ~~the~~ ^{same} ~~same~~ ^{place} ~~place~~ ^{as} ~~as~~ ^{seen} ~~seen~~ ^{on} ~~on~~ ^{the} ~~the~~ ^{shore} ~~shore~~.
mostly get. 2 or 3 partly on the shore. There are

- 10 June Meade River Coal Mine, 111°02'W, 19°21'N, Alaska.
A fairly displaying in the village. 1st 1st sing 7-1st p
and some aggressive vocalizing. Saw an attempted
copulation partly in the afternoon. Saw. More
singing from the census plot. Flashed mostly
along the edge of low pools away from the village
and one of the common indica line, if not the
dominant.
- 11 June 1st pair along the lake area. 1st 1st sing.
The 1st singing activity. Saw some 1st 1st
notes up and down for 2-3 minutes at a time,
showing an irregular circuit, some very much
1st 1st notes and 1st 1st notes. No other
seen.
- 12 June A pair, 1st 2nd along Lake Agassiz and one near
the lake on V. Way creek. One seen during a
Western Swallow fly. Such show not uncommon,
? because of the similar size and color, they is
more ^{like} specific confusion than with other species. More
really like like they are nesting. 4 1st 1st onto the
census plot. Saw one long 4 1st between stake
2,5 and 3,5. The 1st 1st circled near each other, one
facing the other, then one jumped on the other,
fluttering the wings slowly. One bird gave up. After
3-4 minutes of this (1st 1st), they quit. They quit
and little motion between
fight bout. Note of song
in the area all evening.



common, the
more common
displays,
display.

Calidris pusillus - 6

- 16 June Meadle River Coal Mine, 151°25'W, 70°29'N, Alaska
Very quiet in the afternoon until about 4:30.
Most song must be over by now. Birds near L. Agassiz
seem to be along the lake margin and in the Coars
pools in the old lake flat. We flushed a bird off
a nest which we couldn't find, though we did
get intense distraction display. Very quiet on
the census plot, but saw a chase involving two
birds and a ? pair together. Not coming to find.
Mostly at the pond edges as usual.
- 17 June Quiet near the village but still a little action near
the North part of the village flats. Saw one perched on
a 12" high willow, where there may be water. The
exposed river flats for ? A couple heard along
lake Ikmatuk and birds seen near in area of
Coars pools. A few along the W side lake Agassiz.
Numerous on the far side of the Meade opposite
Village flats, where Steve found a 4 egg nest.
- 19 June Found two 4-egg nests on the census plot
along the S row, and later found another about
120 m. N of the plot. Saw 2 birds in a chase with
a pectoral Sandpiper, but little song during the day.
None seen feeding much. Two feeding on mudflat along
the Meade South of camp in the evening, but only one
pair on the high bluffs 2 mi. S of camp. They may
well be localized in the low-lying areas here.
- 20 June Little in evidence, mostly in the N. part of the
Village flats. None seen feeding.

Calidris pusillus

21 June Meade River Coal Mtn. $157^{\circ}25'W$, $70^{\circ}29'N$. Alaska.
Found a 3rd nest with 4-eggs on the census plot,
in the 6,6 square. A little action on both sides of
the plot along the river, but birds do not seem to be
on the plot here any longer. One seen along the

~~23 June Birds have moved out into the lake basin~~
Meade in our evening boat ride. The dunes at
the ^{"ox bow"} ~~end of the~~ of camp contain several large pools
which have drained, and Semipal. footprints
were numerous in the wet sand, though none were
seen in the area here. Inland from this area,
the ground is wet and almost solid canx. Here
Semipals were common and singing actively. One
flushed from the grass edge of a pool, and
several seen in flight well out in the marshy area.

23 June. Birds have moved out into the lake basin
rather extensively by. Two seen along the part of
Lake Agassiz by the CO₂ Warming and at least
6 in the SW part. Only one seen on upland bench,
all others out on the canx humps and dykes
where they ran about actively pecking at the ground.
To get the #s (6 in 10 feet) I saw, they must use
non-defended feeding areas, or there are non-
breeding birds present locally now. Little song
and no display noted.

25 June Common in the lake basin opposite the rock
bluffs. Most were in the 2nd terrace level where
they worked either along the edge of canx mounds

Calceolaria parviflora

25 June Weide River Coal Mine, (57° 52'), 79° 28' N, Alaska
on the *Aphelognathus* system in bed. And there was again
more bottom and the grass was also not very low,
less than 95% now. A considerable amount of flying
seen in a grassy ^{dry} ~~under~~ ^{under} part with. The grass
came, but birds not from there. ~~It~~ ^{It} went to a well along
in the breeding cycle. One + shot not slightly ~~forward~~ ^{forward} in
towards me, then off about 75 ft. (100 ft. from me)
sat on a nest, looked about, got out and in a few ft.
and back, out again. Then, like this once more, and
got off. I shot again and missed. The pair flew away
and came back with a 2nd bird, rather soon after.
and I finally got the 3rd bird. (45 / 7 shot). The bird
continued 7 eggs. It was the picture of 2nd bird was no.

26 June All nests on the canvas plot ok. There was
moving far off territory" to feed and after 5-1
birds together. The pairs that used to be along the
river have moved off the plot. In the evening
I jumped - found that got up the river and the
territories. Some of the birds were in the water.
There was a dense and lots of song. The birds seem to
be moving far off territory now. A pair feeding on
the opposite bank in the dry-land area by the river
mine.

21 June. Fairly numerous in the flats opposite camp, where adaptability seems to be essential in the shallow lough pools, where birds follow the pond margins. Some nesting. Found - not till

Colinus pusillus

- 27 June. Menale River Lake Mine. 157°25'W, 73°22'N. ^{4 birds}
4-eggs near the large lake saw only 1-2 in the
upland polygonal areas. One seen along the
river bank.
- 28 June All nests on the plot e.k. A pair seem to be
interested in the area by the ~~by~~ out on the creek
mine and 1-2 pair return the mine and
the census plot along the river. The pair that were
on the plot in this region seem to have moved off.
- 29 June Scaup all across inland on the banded, noted
only at the wet lot of ortogee creek at the 2nd lake
and along the bluff on the lake to the south;
where at least two pairs were present. One was
feeding on a dryas nest and another in the
marshy lake bottom.
- 30 June The nests on the census plot seem to be e.k.
but the birds were little in evidence in the p.m.
There were two birds chasing insects on the Caribbeana
Cataract plot opposite the N lake of the census
plot in the morning. In the afternoon I went back
and quickly found two birds feeding. When I went
to check them, they flew to a second spot, and I
noticed that now 5 birds were together, plus a ♂
C. maini. They ran about actively pecking for insects.
I got down and looked, and quickly found
several mosquitoes, which appear to eat here
under the round blocks. When I went to look for the
humblers, I then flushed a group of 9 birds + 2-3

Calidris pusillus

30 June. Meade River Coal Mine, $152^{\circ}25'W$, $70^{\circ}24'N$, Alaska.
Captured longspurs feeding together; then flew to a small
isolated area and began to feed. In all cases the
birds were closely flocked, even though they seem
to be local breeding birds. I suspect the very con-
fidentiality of the late season, which seemed to
be the case last year at Barrow, allows birds to take
advantage of ~~the~~ local concentration of food supply
when it is abundant at mid season, ~~but~~ the territoriality
of the early season is an adaptation
to space the population early in the season when
food is scarce.

1 July Most of the birds seen were in the ~~flat~~ ^{river} flats area,
and they were not very active. No feeding or soliciting.
Two were working the river edge and a large clump
in the willows. No one the lines above the flats.

3 July All the nests on the census plot O.K. There was little
activity North of the plot as on earlier day. One of the
nests has piped eggs. Birds spend more time off the
nests than they did earlier, and often flush when
I am quite far from the nest.

4 July A small group - 3 or 4 - on the Conicalia - Cetraria
flats where they had been before, apparently
still chasing mosquitoes. There were several others
flying about in the area. On the lake there were
scattered birds plus groups of 3 and 4 on the
Sphagnum dypes. where they feed mostly well up on the
dypes. They were much more suspicious than usual.

Colinus pusillus

4 July

Mead River and Hills 150°25'W, 70°29'N, Alaska
after flying off before I could get within 70-80 feet of him.
The only ones seen beyond South Creek in the
afternoon were ~~seen~~ along one of the larger lakes
where there was considerable Carex marsh, now
nearly dry. None seen feeding.

5 July

Birds still abundant on the flats opposite North
dunes, where 30-40 birds seen and 8 collected with
little effort. When I arrived there were two small
groups, which occasionally joined, of 3 and 5
birds which chased over a wide area and occas-
ionally sang, and several one birds singing ~~persistently~~
persistently. Birds were seen feeding along the river
(2) and at the ~~river~~ edge of the willows in rather
open Eriophorum flats (7 & 5). There was not much
feeding activity on the 1st beach level, where I
got most of the birds but time, but some activity
apparently along the ponds just inland of this,
where I was never actually able to see birds feeding.
Several birds were seen feeding on the 4th beach
level, a Cornicularia - Staria flat, where they
chased about actively for insects. None seen in
the larger lakes, but occasionally flushed the
from the Carex marshes. ~~At~~ At the SW part
of the area most activity was in the empty
Carex pools just inland of the willows on the
river, and along the river, where 2-3 birds seen.
2 or 3 seen along the river in the evening and none on the

Calidris pus. thur

5 July Meade River Coal Mine, $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska
down on the Oxbow of the Meade.

6 July The nest by the far end of Phil's transect is empty,
probably hatched though no birds in the area. The
senipals 11 of the census plot were seen in the
west part of the plot and one at the S row along
the river. There was much activity by the river
nest, birds flying about excitedly, and 4-6 in the
area. One nest here just hatched, all 4 young
there and one still wet. The other nest was
empty. About 80 m. away found the ♀ and all
4 chicks, and was able to watch brooding. When
I went towards the chicks the parents gave me
of the most frantic distraction display I
have seen, and the chicks spoiled all by clucking
loudly. When a bird went to feed, as close as
4 feet from me, it would go to one chick and
rear back, cackling "pr pr pr pr pr", a ruffling call
similar to the alarm. The chicks came right up
to the parent. Both birds were in the area,
and were attempting to ward the chicks. All the
birds were in a wet *Siriphanus* flat area, and
the parents occasionally fed a little while they
were off the chicks. The nest by the S.S. river
still with eggs. When the alarm is given about
the chicks, all birds within hearing range,
including stragglers, come in.

Calidris pusillus

7 July Meade River Coal Mine, 157°25'W, 70°29'N, Alaska

A pair was near some pools by the dunes opposite Sweet Creek, and another near the barge later here. Not out in the polygonal-pool area inland on the tundra country.

8 July Most of the birds near Lake Agassiz seem to have young now. I first came into a concentration near the S. end of the lake by CO₂, where 6-8 birds came in to scold. The adults were originally up in the wet Eriophorum above but near the edge of the lake. When they scolded they came down into the lake basin and scolded from the zone where the Carex marsh is being replaced by Eriophorum, over a sphagnum understory, with some Salix mixed in. The adults often feed in the Eriophorum along the edge of the basin, but rarely in the lake basin. All were quickly disturbed. One bird in a poa mat sunk of mouse like even though I was quite exposed and no birds were in the area. There were at least half a dozen and probably more adults on the tundra in a flat here, feeding on surface insects. Saw one group of 4 and another of 5. A few pelecus occasionally come with them, but don't stay long. They tend to cluster near the turnstone, which scolds constantly, and I suspect most or all have chicks. Not conspicuous by the

Colaptes pusillus

- 8 July. Macle River Coal Mine, 157°25'W, 70°20'N. Alaska
census plot, where they were mostly on the
Eriophorum-covered drape between Carex pools.
- 9 July. There were two cold eggs in the last remaining
Semi-palm nest on the census plot, and an Ardea
sitting on just outside the plot. A note in
the Carex pool area here and 3 in the
wet Eriophorum, probably from the 2.5 nest,
were the only birds seen; again from the area
by the 1.1 marker & Phil's transect.
- 10 July. A pair giving alarm notes in the Eriophorum-Poa association near the 1.1 marker.
- 11 July. The story near the Agassiz remains unchanged
except that its birds have somewhat decreased.
More birds were seen on the 1.1 transect and
here the habitat distinction is not so sharp,
though Eriophorum predominated in the area
where I flushed birds - drape (not saturated
Sphagnum) soil. Didn't find any chicks
Saw only 3 or 4 birds on the Eriophorum flat,
and birds feeding. Semi-palms seem to have less
mosquito trouble than Ptarmigan and
Longspurs, easily scratch and don't ever seem to
get "insect covered". Semi-palms were also noted
in the Carex-Eriophorum "estone" area near
South Ridge and by the census plot as well,
but not much attention paid to this due
to rain and insects; about 10 birds seen here.

Heliconia psittacus

11 July

11 July. Meade River Coal Mine, $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska.
They were not conspicuous on the census plot in
the afternoon or evening.

P. DeBenedictis
1965

Colinus *maui*

22 June

Barrow, Alaska - a single bird was seen in
with a group of Tringa & Semipal. Bandipal. in
the VOTH area. It was feeding, Tringa-like along
the edge of a trough in wet soil, inserting about $\frac{1}{2}$
the bill in to the soil. It was noticeably redder on
the crown, "mask" and auriculars, strongly streaked
on the back and was rather short-billed. It much
more ~~resembled~~ ^{resembled} a White-cump than a ~~Semipal.~~ ^{Semipal.} and
differed primarily in the streakiness of the back wing
and the all black bill; the breast was not as strongly
marked and the flanks were ~~striped~~ ^{speckled} instead of streaked.
The dark cump and "kreet" call note were noted
when it flew.

23 June

1 and probably 2 birds were seen on 2 occasions
in the ~~flooded~~ area near micromet. They were
short billed, prob. ♂♂, and the 1st bird seen had more
red on the scapulars than the others; all were
quite red capped. They fed in rather wet areas
and usually stuck $\frac{1}{2}$ or so of the bill in to the ground
in bursts of rapid motion, about $\frac{1}{2}$ second. All were
silent.

25 June

One seen feeding in shallowly flooded or saturated areas
along the edge of tundra in a highly polygonized area
inserting the terminal half of the bill into the soil; judging
from bill length it was a ♀, and was red capped but not
very red on the ~~back~~ ^{back} except the scapulars; they are grayer
on the ~~back~~ ^{breast} than Semipals. The bird in the VOTH area
is still present and was seen feeding in a manner + in

P. D. Benedict
1965

Calidris mauri

25 June Barrow, Alaska - location similar to the above bird. It fed near a pair of Semipals and was not bothered by them. No vocalizations other than the "kreet" fight note heard.

30 June A ~~considerable~~ ^{small} flock is present in Central Marsh, most in fairly dull plumage although clearly breeding plumage. They are social but not tightly flocked; heard only the "kreet" fight note but saw one go after another on the ground in a hunched posture, the 2nd bird moving off.



tail spread, wings drooped,
back feathers fluffed.

This posture resembled that of the distraction display except that the head was directed forward and the bird moved towards a 2nd bird in an aggressive manner.

2 July There are still about 8-12 birds out in Central Marsh including some in pretty miserable plumage. Saw two out on a patch of grass towards the center of the marsh in addition to those seen along the edge, where they were more conspicuous than semipals. Saw a flight song, given with a flapping motion, the bird rising up then falling down (flapping the entire time and catching a low volume, high pitched "ēēēēē ēēēēēh", the whole thing happening so fast that I wasn't able to co-ordinate the two. Saw one flying over P. telka's plot but none anywhere else. The sound is very white-rumped but the flight is rather more like a pectoral.

P. DeBenedictis
1965

Calidris mauri

- 4 July Barrow, Alaska - all birds seen were along the upper part of UOTL creek. I counted 21 in sight at one time in UOTL slough; about 10 more were seen as I went up the creek and another 10 were elsewhere in the slough. A group of about 20 were in Footprint lake. They were silent or gave only the "treet" note kept for birds in one small flock (not seen until they were silent) from which something like the song was heard. No display, the birds preferring to form flocks as is typical of miquilts and they were somewhat restless. at one time 8 were seen with ~~2~~ ² pectorals going high into the air, circling and landing again over UOTL slough. None seen elsewhere.
- 5 July Saw only two in UOTL slough and about 5 along the W side of Central Marsh. Other than the "treet" note they were silent. They generally associate with semipals. and do somewhat more pecking than I had noticed semis.
- 6 July at least 5 birds along the ~~W~~ ^{east} side of Central Marsh, quite silent.
- 7 July 1 seen in Micronet Marsh in the morning
- 9 July 2 in UOTL slough and 3 in Footprint lake.
- 10 July 2 near the Meadow lakes area.
- 11 July 2 feeding in wet areas at the S end Footprint lake.
- 12 July one seen along the N end of Footprint lake gave a call similar in form to the call given by alarmed semipal. Sandpiper, but the call was much higher pitched. It did not look to be off a nest.
- 25 July 1 seen along the west border of lake Ikroavik.

Colinus macrurus

- 29 May. Hudson River Coal Mine, $157^{\circ} 25'$, $10^{\circ} 38' N$, A. 1000 ft. Found one in feeding in open pasture and since 1/2 mi. E of mine along the stream. The bird was with eggs in its beak when I shot it and raised it. It was 150 yards and landed in a similar habitat where I was. I caught it at once, until I shot it. It was sitting at the time and did not appear to be alarmed. The area it was feeding in was fairly well covered with tall grasses about 1 to 2' high, and I did not see any other birds feeding. I shot it but did not get the eggs. I found it in the nest.
- 2 June. A possible 1st seen feeding in a small group of trees or shrubs near the stream, at the mouth of the stream. It flew off to the stream when approached.
- 4 June. A strange song caught my attention and I finally traced it to an individual of this species. At least two in the area and possibly 3 or 4 singing. The song, flight and spiral, but not really, especially to 40-50 m. and making a long circuit with flat or slightly up wings, quivering alternately with rapid shallow wingbeat. ~~It~~ ^{It} moved to a new spot and performed two more. It is some one area about 40 meters square and once chased a 2nd bird. Sang on the ground. No ground display. Song, a high, single note. In the air with the 1st note clearly audible. It was ~~not~~ ^{very} in the air.

Calidris mauri . 2

- 5 June Meade River Coal Mine, 157°25'W, 70°29'N, Alaska
One feeding in a garbage dump in the village, later seen chasing a ♂ semipalm. In the evening a pair was feeding along the edge of ~~some~~ marshes behind camp. They associated closely and the ♀ was very shy. The ♂ sang on the ground, like the flight song, but in a similar ground song posture. The ♀ alarm call is like semipalm but more rolling and higher pitched ^{dee dee dee dee} mm mm mm mm ...
- 6 June A pair near the mouth of village creek. The ♂ occasionally singing. They feed in many areas and runway just off the wheel road in trampled down, wet Elms, occ. on the road. The ♂ chased semipalm several times. The ♀ very shy; she probes more than does the ♂. Collected the ♂ on the wheel road. Also heard a 2nd male singing near there. A ♀ still behind the ab feeding along creek marshes in the evening.
- 7 June At least one near the village with semipalm. Semipalm and the pair still seems to be present along the pond edges behind camp. This not semipalm, often seen hovering over shallow water, looking and pecking at something, and retreating again, about like a phalarope.
- 8 June A male singing on the village ridge near the cemetery and a ♀ seen sleeping near there.
- 9 June A male singing W of the village, probably just passing through.
- 10 June A pair in the village, the ♂ singing and displaying to the

Calidris melanotos - 3

- 10 June Black River and Lake, 15° 25' N, 77° 29' W. Alvarado
female, but think you should I could find there.
Singing a short fast version of the usual song, and
a note whistle-syllable.
- 11 June 4 birds singing, some short songs, but probably
just passing through. I wonder if they will stay here
after all.
- 12 June 4 birds singing around the song, near the A.F.
Wannigan and later one seen chased by a Semipal
at the W. side of L. Agassiz.
- 13 June One singing near the South end of the "census plot".
- 16 June At least two established singing birds and at
least 4 birds together at the NW part of Lake Agassiz.
Hard to be sure what they are all doing. Saw one
pecking at cobwebballs on snow. One singing
briefly on the census plot.
- 17 June One singing near the outlet of Lake Agassiz on
the N side of village creek, and at least 2♂ at the SW
part of Lake Agassiz. One feeding on snow drift
made 28 and 54 ± 6 pecks in 30 second intervals.
Considerable song. The ♂ hovering low over the area
frequented by a ♀. No ground display seen.
- 19 June A ♂ singing along the 6 row of the census plot.
- 21 June A singing male flew over the census plot once,
going towards camp.
- 25 June One came in when I shot a semipal, sitting down,
but flew off before I could find out what it was
doing.

Colinus pectoratus

- 28 June Meadow River Cond Mine, $157^{\circ}25'W$, $10^{\circ}24'N$, Alaska
A ♂ singing 5 and 10 of the census plot, once
in association with a Semipal. from a nest
on the census plot.
- 29 June Two singing ♂s and a ♀ were noted along
village creek just above the 1st weir. None
were seen on the ridge SW of Lake Agassiz.
- 30 June A ♂ feeding on mosquitoes on the Cornicular
Cetraria forest W of the N ridge by the census
plot, with Semipals, g.v. No chasing seen
between the two species.
- 4 July A ♂ near the Black-bell place nest, with Semipal
and a ♀ nest in Lake Agassiz with a group of 7
Semipals in a spruce bog. Both gave alarm
calls when approached, but no song now.
- 8 July A ♂ came in giving alarm calls with a group
of Semipals & a Turnstone ~~overlooking~~ me
near the ~~plot~~ North Lake west of the census
plots. They soon flew off and I was unable to find
them again. Evidently they did not off the census
plot.
- 11 July Found a bird with 3 chicks when it gave
alarm calls from the South ridge in the
zone where the Eriophorum feet was going to
Carex marsh, though well up in the Eriophorum.
Only one adult was noted, which I think
(but am not certain) was the ♂ (a rather long-
billed one, if so). When it started to rain the bird

P. D. Macdonald
1960

Colinus macrurus

- 11 July. Meade River Coal Mine, 157°25'W, 70°29'N. Adults
flew to the chicks and incubated. The chicks were
all collected. They had a yolk sac about
5 mm. in dia, and with much yolk remaining.
I suspect they were less than a day old. Nice
to be sure they nested.

P. DeBenedictis
1965

Calidris ruficollis

30 June

Barrow, Alaska - at least three of these birds were seen with a flock of Semipals and Westerns on Central Marsh near the OS c + GS shack. They fed in the same areas in the same way as Semipals; ~~but~~ I suspect it is the Asian ecologic equivalent. They are small pwp, appearing about the same size as but bulkier than Semipals and are somewhat warmer above and brighter white below; 2 of them were bright red-rufous only on the throat, the uppermost grayish, streaked at least laterally & the back & buffy and the third was red-bell on most of the face & throat, with less grey below. I could distinguish no vocalizations; the 1st bird seen appeared to have a broken leg (or only one) and a "dull" and the bright bird remained more or less together; these were seen again in the afternoon.

2 July

A bird unlike any of the others noted was seen today, with a group of Westerns and Semipals. It was very bright on the face and throat, grayish on the breast and white under the bill. Couldn't hear anything from them yet.

P. DeBenedictis
1965

Calidris
~~white~~ fuscescens

12 June

Barrow, Alaska - two birds were found on the ~~ridge~~ ridge about 2 PM. They were feeding in the Semipal. Sandpiper (which I 1st thought they were) in a bare moss-covered area on a level area near the top of the ridge. When approached they got up and flew towards the NW; as they flew by could see the white suprap. clearly, and heard the flight note, a sharp high "keet" more like a Red Phalarope than the other "peep"; they were reddish dorsally but grey on the face and breast, which was streaked, and had a noticeable wing stripe; couldn't see where they landed; They were much smaller looking than I had expected.

13 June.

Found 3 birds along the W side of family lagoon, a singleton and a pair. The single bird allowed close approach as it fed in a rapidly open, gravelly disturbed area; when in grass it seemed to follow the more open spots and did a lot of probing, including rather rapid dancelike motions, although it moved around a lot. When I landed it gave a 2 partied high pitched call which reminded me of a Grasshopper Sparrow. The pair remained in the area but was not so approachable. The bird is only about the size of a western Sandpiper but has longer head to tail in proportion to its height & is quite rusty on the back.

P. De Benedictis
1965

Catidius fuscicollis

15 June

Barrow, Alaska - Saw single birds on two occasions in the banel area, one twice in the same spot after about a 2 hour interval. The birds fed in rapid bursts of pecks or jabs and allowed easy approach. The only call heard was a high, buzz "whut zee" as the bird landed once and saw no display. The 2nd set of observations was about 100 yards from the 1st.

17 June

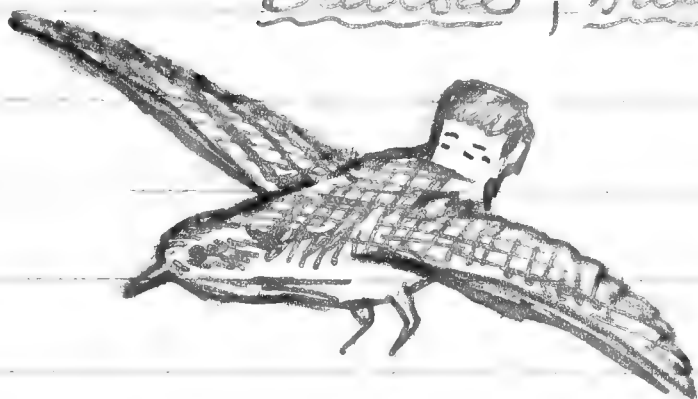
At least 6 birds were present in the area around the FAA tower. Most were alone, feeding in open areas by grass, ~~to~~ probing or jabbing into the substrate in rather open, usually dry areas. Call notes (in flight) include a high pitched buzzy, "dzip" and a "dzoop dzoop dzoop" barely audible. In the morning one of the birds together barely went into a V-flying position but then continued on in normal flight and landed. In the afternoon one went into a ^{"prairie chicken"} ~~wing up~~ display, wings out & tail raised exposing the white vents, moving towards a ~~second~~ ^{one} bird and ended in a wing up posture & resumed feeding. Saw one chase a Semipalmated Sandpiper and one feeding (one peck) out on ice, another in the small openings where grass had blown over. They are generally quite tame and usually allow approach to 20 feet but some birds are jumpier than the others; display posture indicated on the following page

P. DeBenedictis
1965

Colinus fuscicollis

17 June

Barrow, Alaska



"prairie chicken" display
~~not cap display~~



The ~~two~~ lower mandible appears dull red,
almost black to me.

18 June

Saw an aerial flight display over the low
lands near the Beach Ridge; the bird got
up in the air? silently, flapping apparently
normally and then went into a glide, calling
"po-oi po-oi po-oi", very low pitched & volume, and
then the bird landed. The same or another bird
was observed feeding consistently near a lone shrub
but the two ignored each other except for keeping
about 5-8 m apart. Nothing else out of the
ordinary. The bird seen feeding at close range
today was on a low polygon and found in some
mossy areas ~~being~~ something between a jab and
peck as a feeding motion most of the time.

19 June

At least 6 and possibly 8 birds in the VOTH or
Bitter's Area, most feeding silently. Saw the
end of one aerial display and heard another.
One chase, involving two birds, began with a
rapid flight, one bird (probably the chasing)
calling a long "222 222222222" as it flew;
then it went into a short Vogle call "222-zit".

Calidris fuscicollis

19 June Barrow, Alaska - ~~half~~ times and flew on:
now apparently out of audible range; it was seen to
glide once more + then the two flew a little farther
and landed. Saw one brief interaction between
this species and C. pusillus, but not sure who was
after who.

A female prepared in the evening had fat along
all the feather tracts and considerable fat along the
neck and axillary region. The skull was unossified
and the skull windows measured 4x11 mm. The base
of the lower mandible was light colored, and I showed
no signs of molt.

20 June Only 1 or 2 silent birds in the above area,
all feeding in rather wet areas.

21 June No sign of the species in the area above.

23 June a pair found behind the microwave area in a
low polygonized area. They fed in rather wet areas.
Heard a ~~flight~~ flight ~~over~~ but didn't see the
birds until they were quiet, which sounded
like "wo wootup wootup wootup" high pitched and
buzzy and given rapidly. Later a single bird
in flight went into a wing out glide, the tail
slightly spread and raised



then it flew on with a flapping
flight and landed near a 2nd bird
and went immediately into a partial nest cup
display, the breast down to the ground, the wings out

P. DeBenedictis 3
1965

Calidris fuscicollis

23 June Barrow, Alaska - the tail cocked and spurs

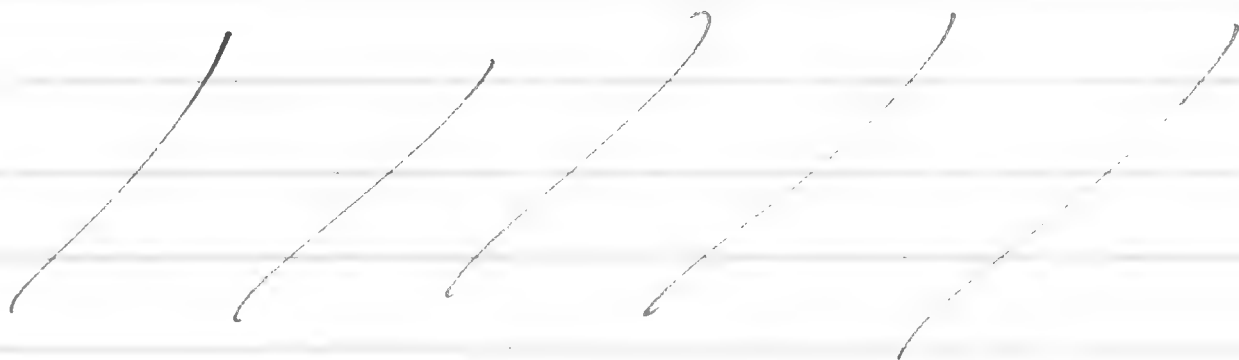


which would on most have
appear



The second bird was not interested and both then
fed side by side. In both displays the male gave
a tripled high-buzz "p-weepit" but ~~was~~ silent
in flight and while feeding.


24 June heard a "p-weepit p-weepit p-weepit" (high,
buzz) and saw a pair standing on a snow bank,
the ♂ in a "glouse posture" and standing
still, then going into a wing up (tail down) and
finally assuming a high stance, silent while I
watched it. The ♀ was in a rather normal stance
and after all this flew to a nearby ~~snow~~ patch of grass
& began to feed; the ♂ then flew to a distant
patch & the ♀ later followed.



P. DeBenedictis
1965

Calidris fuscicollis

25 June

Barrow, Alaska - a single bird was seen in a high polygonized area giving a low flight display and then landed and fed. A pair was watched for some time across the gas line W of the N end of gasline ridge. When 1st seen the ♂ was chasing a dunlin and 3X gave a wing up (one wing only) when the dunlin came near. Sometimes the associated ♀ was involved in the chase. Later a male flew up into the air to a ~~height~~ height of 40 to 60 feet and hovered ~~for~~ ^{for 15 to 20} seconds giving a ~~stilt wing beat~~, the head level & forward, the tail opened & level, the wing beat rapid and blurring , and at the beginning of the (1 1/4 a so) called "po-oit po-oit po-oit po-oit po-oit po-oit po-oit po-oit" ^{wee-zit wee-zit} the "po-oit" note low and rough and the "wee-zit" high pitched and buzzy; then it flew down landing near a 2nd bird, going into a "grouse posture" and running at the head (in small circles) of the 2nd bird, calling "zee zee po-oit zee po-oit zee po-oit" as it landed; otherwise it appeared to be silent. The grouse posture was maintained for 2-3 seconds, when the 2nd bird flew off, shortly after which the ♂ flew as well.

Shortly after this I flushed the ♀ ~~after~~ which landed on a low-polygon ridge. The ♂ about 15 feet away got up and flew over calling "pz-wee-zit pz-wee-zit po-oit it ..." and landed and went into the "grouse posture" running at and around the ♀ for 3-5 seconds, continuing the call "... po-oit it po-oit it zzzzzzzzzt" the buzz very soft and the grouse posture lasting longer than the call, and

Calidris fuscicollis

25 June

Barrow, Alaska - then went into an upstart posture with one wing up and then an alert posture



all this fairly close to the ♀. The streakings along the flanks accentuate the white wing, in any case wing up.

The "male" flew with a rapid, fairly deep wing beat, 2-3 feet off the ground, rose suddenly to about 20 feet, hovered 2 ± 1 second and came down slowly the wings in a V glide position and landing slowly, twisting somewhat as it landed, calling a "po-oot" ^{2222t}

8 ± 2 times beginning with the hovering and continuing through the descent; it was alone and fed after it landed. The male was heard to call of 3-4 other occasions and another version of the call is: "2222t p-wee zit p-wee zit p-wee-zit", and the male had one wing out at the end of this series.

A different pair was seen, one chasing the other with a direct wing beat, then going into a short V-glide, calling "p-wee 222t p-wee 222t p-wee 22t", flapping a short time, gliding and calling again and flapping, now getting to far away to see well. The birds were 4-6 feet up and the glide periods were longer than the call.

P. DeBenedictis
1965

Calidris fuscicollis

- 28 June Barrow, Alaska - Heard the "low-flight display" on several occasions near Miconet Marsh in the afternoon and found at least one bird, which appeared to have dull red legs. In the high polygonal area between the Beach + Gasline Ridge heard a little display and saw a chase involving 3 other birds (no display).
- 29 June Barrow, Alaska - ~~two~~ seen near the head of Gasline Ridge, no display.
- 30 June 4 seen near Miconet Marsh (including 3 together giving a little low display flight and a lone bird); one seen chasing a ♀ pectoral.
- 4 July a lone bird, its bill tucked under its wing, was seen in the BOTH area. 3 ♂♂ were seen together, 1 gliding and at least one giving the "point-see" song on the lower area between BOTH slough + Gasline Ridge, and a ♀ was flushed from a polygon in south of S. Meadow lake and flew over to a ♂ which displayed to her. She may be nesting as she seemed quite disturbed by my presence.
- 11 July One seen along a small pool between Footprint and Ikroavik and according to McClean was giving the ground display to a Red Phalarope (which happened to look quite like a White-rump in pattern). This bird was noticeably "baggy breasted", like a ♂ pectoral, the 1st time this has seemed evident to me.
- 13 July One seen flying west over the BOTH area toward Brownville.
- 14 July One with a group of Dunlin near Gasline Ridge.

P. De Benedictis
1965

Calidris fuscicollis

- 24 July Barrow, Alaska - the distinctive high call noted attracted my attention to 3 birds that were feeding inactively on a mossy ridge along the edge of a low centered polygon - they later flew to a ^{empty} ~~low~~ muddy bottomed (no grass) pool and fed there inserting only part of the bill into the substrate. Like the dunlin they appear to begin molt on the breeding ground, but in this case body molt as they were a mixture of reddish summer feathers (cap, ~~scapulars~~ ^{scapulars}) and gray winter feathers (secondary coverts, back). The bill still reddish at the base and no evidence of wing molt. The 3 stayed close together at all times and were rather shy.
- 25 July Two in rather dull plumage in a low, polygonized area between Ikroavik and Footprint Lake.
- 30 July Located a ♀ with 3 chicks in a grassy flat south of Wohlsehlag Slough. They were in a dryer part of a grassy, peaty area when found. The ♀ when alarmed at a distance got up into the air and circled over a broad area, landing on conspicuous sites about 50 feet from the chicks. She was silent or uttered a high, wheezy "whew" rather like ^{one} a phalarope call. When we got closer she often gave a series of similar notes, the pattern invariably, — — — — —, and she landed within 10 feet of us when chicks were held. The chicks did not freeze; when caught & released the ♀ ran to them, then away as if to lure us away. The chicks had remige ^{feather} capsules.

P. DeBenedictis
1965

Calidris bairdii

11 June

Barrow, Alaska - saw 1 (+ Steve McClean 2 others) near the SE end family lagoon in the PM about 4

13 June

at least 3 and possibly more were present in the Barrow area. Saw one on the ground with the tail strongly cocked and the wings drooped slightly, near a second bird. Little aerial display. In the afternoon saw at least a pair near the tavel area, including one bird near a second giving the tail up display to an extreme degree, often raising one wing and holding it up during the performance. Little aerial display.


15 June

at least 3 birds in the tavel area, flying about apparently attacked but no display seen. see C. abla.

17 June

2 in the same area. One FAF lower, feeding; no display.

18 June

Saw several aerial flight songs and one ground display. The aerial display ~~in~~ ^{includes three} segments; the bird rises slowly on rather straight out stretched wing, flapping slowly (2-3 beats/second) and fairly deeply, the tail open + the neck moderately extended, the bill forward, calling at low, throaty (but higher pitched than Dunlin) "kroet" kroet kroet..., about 2 wingbeats/sail, circling slowly and rising 50-80 or 100 feet in the air; it then goes into a short glide, the wings held in a low dihedral  and

Colidris bairdii


Barn, Alaska - calls a "kut kut kut kut...", somewhat like C. pusillus but not a dried or mechanical sounding, and occasionally interrupting the series with the "kreet" note or a third note (once in about 12 displays) for a 3-parted song; the glide is usually about 1-3 seconds, and the bird either continues flapping + repeats the glide or descends slowly and lands, ~~holding~~ holding the wing up somewhat abnormally long as it lands and remaining in an alert posture. The "Kreet" is also given on the ground. Seen in a wing up ground display, chasing a second (of 3) birds. the wing up and tail half cocked



Birds on the ground appeared rather nervous. Saw one extended chase between two birds, covering 3000 feet and lasting 1-2 minutes; these birds together appeared to be 20% competing for a ♀. Some birds appear longer winged than others, and it is somewhat longer winged than a ~~white-necked~~ ^{serrisulmated} ~~bird~~, particularly in flight. These were seen in low water wet areas, and landed on mounds or small ridges frequently.

P. DeBenedictis
1965

Calidris bairdii

- 20 June Barrow, Alaska - two silent birds seen in a low wet area near the FAAC tower, where none noted yesterday.
- 21 June Birds were noisily displaying behind the animal hut about 1130, the display all being against territorial display. Two silent birds seen in a low flooded area in the afternoon by the FAAC tower.
- 22 June One pair found near the Voth area and another ~~in an area of high polygons~~ ^{in an area of high polygons} on the E side of Voth Slough. The only display seen was a single wing up given by the ♂ of the 1st pair. They seem to probe more than semipals. 4 were seen close together in aerial flight about 10 PM over the ARH area.
- 23 June Birds observed feeding fed by probing $\frac{1}{2}$ the bill into rather bare soil, showing a preference to low hummocks of moss found in low polygons. Other than one wing up and a flight "song" no display was seen. One feeding on the ground was scared up when a humming came directly under it.
- 24 June Saw more today than yesterday in the same area; Aerial display given frequently, and saw 1-2 wing ups and a little wing out. One bird on the ground gave a repeated long trill followed by birds of the "krort" "frog-mole" as in the aerial display. It took a tail stance  when calling and raised the tail, ~~occasionally~~ ^{occasionally}, especially when giving the "frog-mole" and sometimes seemed to half open one wing briefly. The ground tail sounds very like pusillus.

P. DeBenedictis
1965

Calidris bairdii

25 June

Barrow, Alaska - All the birds seen today were fairly close to the ocean. The pair seen in the morning were in a prolonged sexual chase and the birds seen in the afternoon were near the N end M. Salt Lagoon and giving the aerial display ~~most~~ ^{most} persistently.

26 June

A pair in close association was seen on Dr. Pitelka's plot and although they appeared nervous about my presence no nest could be located. At one time in the late evening 4 ♂s were seen in aerial display over the Baruel area and no sign of nesting other than sexual chases has been seen.

27 June

Saw ~~four~~ or five displaying birds over the Baruel area but little ground display. Birds not very active.

NEST 1

Found a nest with 2 eggs on a ridge in a trash pile, incubated by the ♂. When we jumped him once he flew to the ♀ and went into a crouch. His wings slightly open and tail up, giving a wing up right after he landed, and called "weeeaaaah tmmmm" the last syllable becoming softer at the end. The ♀ crouched but nothing else happened, the 2 birds separating. The ♂ gave rather clear "chiuerrrr" call reminiscent of the call of a Semipal. Plover when approached. They acted like Semipals when approaching the nest and sat when we were about 40 feet away. The sitting bird went into a strong distraction display when we approached the nest.

P. DeBenedictis
1965

Calidris bairdii

28 June Barrow, Alaska - found a nest with one egg
NEST 2 on a level grassy area. The nest was in low grass
(= C. pusillus) and fairly well concealed. Saw a # of birds flying
inland over the barbed area both in the morning and
in the evening but couldn't find any but 2 (both of
which appeared to be disturbed) feeding. The 1st nest
we found was empty in the evening & no birds were
in the area.

29 June Barrow, Alaska - saw a 4 egg nest in a grassy area
NEST 3 on high polygonal ground at the end of Gasline Ridge.
There are a few more pairs to be found but they are clearly
not as common as ^{are Semipals.} ~~they were~~ (yet.). They seem to ~~not~~
prefer higher ground for feeding than do Semipals and
feed in a similar way although remaining in one
area for longer periods of time. Still hear a little
flight song although they were much less noisy today
than compared to recent days. One was seen chasing
a Semipal, usually giving a wing-up when it
approached the latter, and latter ~~the~~ Semipal was seen
chasing a Baird's. In the evening birds in the
Micromet Marsh area, although scarce, appeared
to be quite notable [and Nest 2 had 2 eggs. = C. pusillus]

30 June One pair seen on the Beach Ridge and the nest
in the area from Micromet to the Lab; no change in
the nest & heard only one aerial display.

2 July Heard two aerial flight songs, both from mated ♂s with
full clutches. All the nests are accompanied by pairs
and one new nest was found; no changes from yesterday

P. De Benedictis
1965

Calidris taideii

- 2 July. Barrow, Alaska. One ♀ (West 4) sat very tight and almost jumped into my hand when she got off, and gave ~~the~~ open winged distraction display only 2 feet from my feet; I might have caught her if I'd wanted. Got a distraction display from a ♀ which appeared to be well away from a nest and as usual the only feeding birds seen were well up on the low polygons.
- 4 July I checked Nests 3 and 5 today, both having 4 eggs and attended only by a ♀ which sat very tight and gave good distraction display; they quiver the wings in the display. See C. pusillus for this date.
- 6 July A nest with 3 eggs was found on a rather barren raised polygon ~ 1/2 way from Hicomet to the Bow site on the Weasel track to DSC + GS shack. A ♀ got off the nest and yelled loudly at our approach but was not joined by a 2nd bird nor were any other seen nearby.
- 7 July All the nests behind the lab were checked in the morning and at all only one bird could be located; however at nest 6 a bird which I thought was a ♀ ~~for~~ landed giving a trill in a V-gliding position and I heard what I took to be taideii song somewhere around nests 4 and 5. The ♀ on 6 sat very tight, almost allowing me to touch her and allowed approach to 2 feet. A pair was seen in the polygonized area E of AACs. One song and a single bird (not the same) seen in the VOTH area.
- 10 July The pair of Fresh Lake still has 3 eggs, and only one bird was seen at the nest.

R. DeBenedictis.
1965

Calidris bairdii

- 12 July Barrow, Alaska - all nests behind the tent checked and the only change being that Nest 4 has disappeared, not surprising considering the behavior of the ♀. No pairs seen at any nest.
- 14 July The bird still sitting on nest 3.
- 15 July Nests 6+5 empty. A piece of egg shell was found near nest 6; it appeared to have been broken from the outside. No birds seen in the area.
- 20 July Nest 3 empty and no Bairds found in the area, though little search was made.
- 23 July Nest 7 hatching today, 2 chicks and 1 egg in the nest. The (♀) was present and displayed vigorously in the manner of a Semipal. to my and a pair of Pomarine Jaegers' presence, the calls differing only in that ^{the} distinctive "chi ~~wait~~ alarm" call was frequently given. It flew quite near the jaegers when they approached the nest. The chicks are quite like semipals in color and froze very tight. 4 birds standing close together were seen feeding on the weasel road near USC & GS in Central Marsh. They preferred to feed in the bare weasel tracks but occasionally went into the open, low grass along the road and would make 3-5 pecking motions then probe deeply in a short burst in an area, moving about between feeding motions. One appeared more scaled on the back than most that I have seen here so far.

Calidris bairdii

29 July

Burns, Alaska - one seen in the W central part of Holmes' morass acting like a semipal with young when a jaeger is near - it would get up and fly in a wide circle about 30 feet up and covering 3-4 acres, calling "drrr wee", the semipal plover-like alarm note, and occasionally a high pitched "drrreeet" version of the flight call which ~~reminded~~ reminded me somewhat of the whistle of the Culex Sandpiper. It landed in several spots wide apart and no chicks were seen. It fed one bird in saturated grass 4" high, 25% cover, moss bottom, cutting light, and once on a low entire polygon ridge - wet, grass 2" high, 25% cover, Moss-lichen bottom, light cuttings, while I watched it.

P.D. Benedictis
1965

Calidris bairdii

Nest locations
ARL to Microlet.



ARL

H



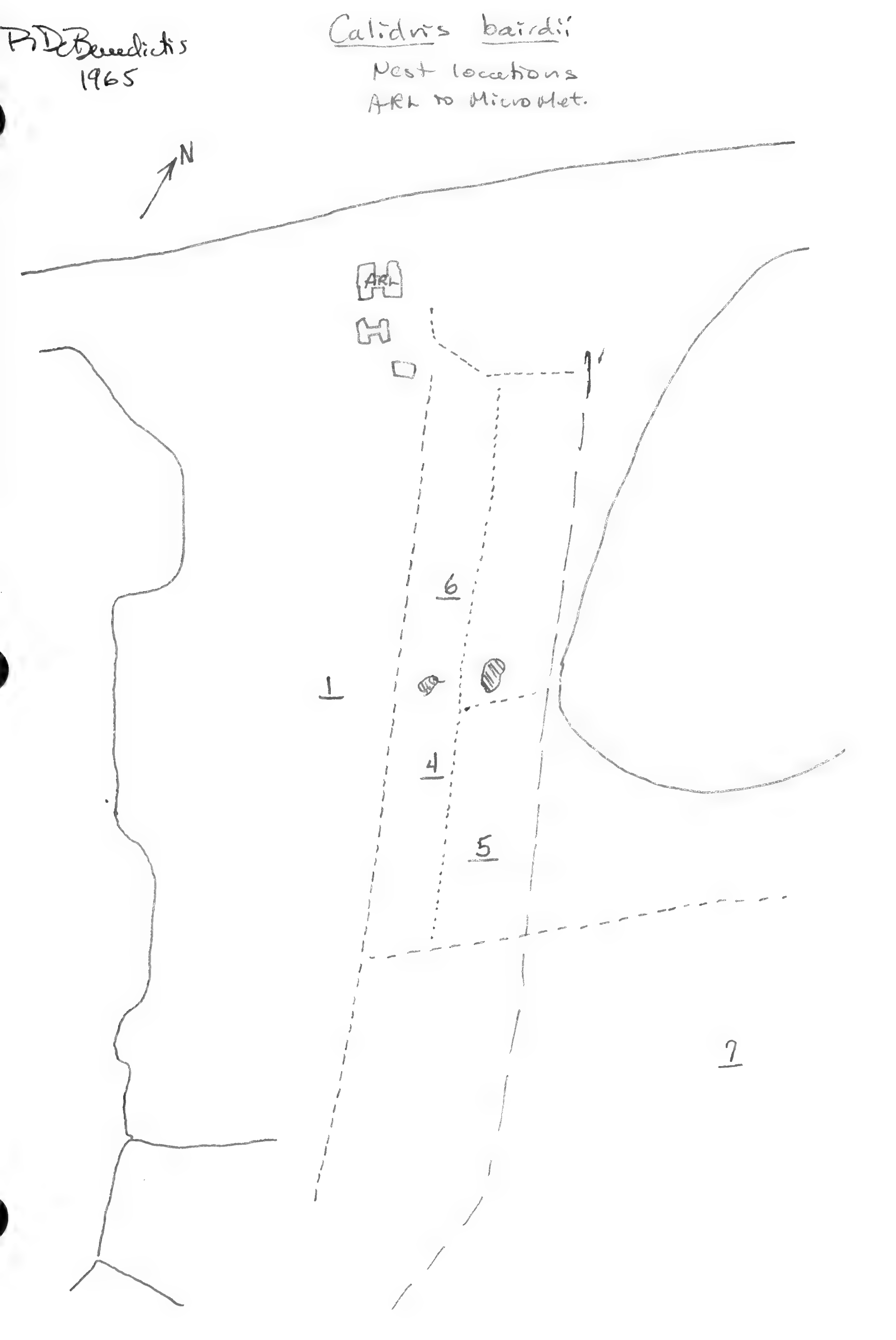
6

1

4

5

2



P. De Benedictis
1965

Calidris bairdii
NESTS

NEST #	DATE	LOCATION	STATUS	NOTES
1	June 27	Bonel area	2 eggs	cup small; on low sparse grass on high polygon near trough. incubated by ♂, both parents present.
	June 28		—	empty, no birds in area.

// // // // //

2.	June 28	Sot Mikomet Marsh	1 egg	♂ in attendance. on low dead grass in level area.
	June 29		2 eggs	P.M. no birds in attendance.

refers to nest of C. pusillus - see nest 5
+ C. pusillus Nest 14.

3.	(28) June 29	Gasline Ridge	4 eggs	small cup; in grassy area on high polygon; found P.M. of June 28. parent very "broody."
	July 4, 12, 14		4 eggs	only ♀ present (?)
	♂ July 20		empty	no birds in area

P. DeBenedictis
1965

Calidris bairdii
NESTS

Nest #	DATE	LOCATION	STATUS	NOTES
4.	1 July	SE end Barrel area	3 eggs	♂ in attendance in low grass on raised polygon
	July 2	"	"	♂ in attendance
	July 7,	"	"	(♀?) only noted
	July 12		empty	no birds around
5.	1 July	S. Micromet Marsh	4 eggs	♂ in attendance. in low grass on level area;
	July 2	"	4 eggs	♀ in attendance
	July 7, 12	"	"	(♀?) only noted, possibly too here
	July 15		empty	no birds in area
6.	2 July	SE end Barrel area	4 eggs	♂ in attendance in open raised polygon in low grass
	July 7, 12	"	"	(♀?) only noted; possibly 2 present. pieces of shell found near nest
	July 15		empty	no birds in the area.

P. DeBenedictis
1965

Calidris pairii
NESTS

NEST#	DATE	LOCATION	STATUS	NOTES
7	6 July	S. Fresh Lake	3 eggs	on raised polygon in sparse dew grass; ? ♀ only present.
	July 10	"	"	"
	July 23	"	~1330 1 egg, 2 chicks	one parent present only.

P. DeBenedictis
1966

Colletes hawaii

2 June Maua River Camp Area, 17°25'N, 78°22'W

One seen flying over the bluff about 2 mi. N of
I saw the flower the first as I left my
camp; went later to see colony and digging nests.

... the better ...

... along the river ...

I did not see it ...

P. DeBenedictis
1965

Calidris melanotos

- 10 June Barrow, Alaska - a single bird was seen in an area near the Cell hut on a exposed, grassy area a fence, where it fed ~~and~~ ^{and} actively & silently.
- 13 June Saw a group of 7 and 4 singletons along the W side of Family Lagoon in high polygonized area. They feed by rapid ? probing motions and worked rather grassy areas. No display.
- 14 June only a few, single ♂s seen. No display.
- 16 June 4 males seen by Elson Lagoon in the afternoon but no display.
- 17 June Saw a definite ♀ today, hardly larger than a dunlin. There were also about 10 males in the area but no display. They feed heavily in the flood troughs between polygons and in flooded areas on level ground, particularly where there are over heavy cuttings. They normally put the entire bill but not the head into the water and feed in bursts of rapid movements, apparently taking prey from the submerged cuttings. The flight note is variable but usually softer than that given by a dunlin and not as soft as a Baird's. Yellowish legs are quite conspicuous.
- 19 June Saw a little aerial display today. A male was seen 1st giving 8 deep, resonant "doo-it" calls in a deep flapping flight then went into a series of alternating rapid less deep flaps and V-gutters, each ~~burst~~ ^{burst} of flight activities lasting 1/2 to 1 second, and the bird

P. DeBenedictis
1965

Colaptes melanotos

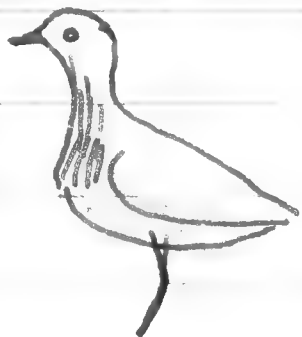
- 19 June. Burns, Alaska - made a circle about 60-80 feet around and landed and began to feed. Later flushed a 2nd ♂ feeding with 2 minutes; the 1st male (above) flew in giving a series of "hoo-it" calls, the breast deeply inflating, and landed near the 2nd ♂ which gave a burst, short squeak ~~but~~ rather like the note of a snipe when flushed, but longer. The two then fed peacefully within 2-4 feet of each other for 2-3 minutes until I chased them away. All seen were ♂s and ~~feeding~~ ^{were feeding} in rather wet areas.
- 20 June. Saw one aerial display given by a ♂ chasing another bird of uncertain sex for about 100 yards, only the "hoo-it" call patterned. Saw one definite ♀ and one very reddish bird which I saw very poorly.
- 21 June. Saw two aerial displays both apparently involving multiple ♂s (2 or 3), in each case two birds flying far off, the "hoo-ing" male in pursuit. The male being chased occasionally gave a snipe-like call and the flight was very rapid. Somewhat less in evidence today as compared to yesterday.
- 22 June. Saw one bird, which gave a series of "hoo-it" calls both over and ~~1 or 2~~ along Elson Lagoon, which was silent.
- 23 June. At least 3 birds ^(♂s) were in the area by microphone. Two were seen displaying on the ground on a snow bank close to each other and then took off together giving the "hoo-it" call. About 3 minutes later the

D. DeBenedictis
1965

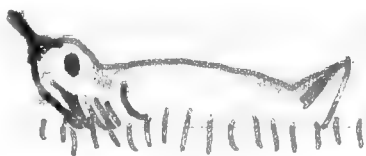
Calidris melanotos

23 June

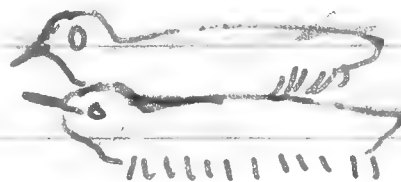
Barrow Alaska - (cont.) same two ♂s flew towards us giving the "hoot" call and ^{the two} circled near a trough about 15 feet away ^{from me} (? side by side); one then attempted to jump on top of the other, the 2nd crouching and pushing the 1st off with the bill; they grabbed at each other's napes and wings with the beak; The impression given was that each tried to mount the other; postures taken during this ^{hustle} ~~struggle~~ were an alert with loose chest ^{usually facing the 2nd ind.} ①



②



③



⑤ a crouch with tail up often given when a bird was being mounted and ⑤ a parallel crouch with tail down given by both birds on 3 occasions. At one time one ♂ ^{stooped on} ~~the~~ the other with tail down + hold it by the nape while trying to make ^{cloacal} contact; ^{in the fight} ~~each~~ the birds jumped on and over each other so they appeared to roll.



The ♂ on top was clearly seen to attempt to make cloacal contact, although this was never successful, and the ^{1st} impression given was off a copulation with an unwilling ♀. After the third parallel crouch the two birds got up, the rear bird giving the "hoot" call; after they had gone about 25 feet the front bird called as well.

P. DeBenedictis
1965

Colinus melanotos

23 June

Barrow Alaska

The two birds were clearly ♂s as they were the same size and both hooted. No ♀s were seen perhaps explaining why this took place, the ♂s by now being ready to mate with anything that looks like another Pectoral sandpiper. This was seen by Dr. W. J. Breckenridge, who was at my side.

24 June.


Two ♂s, one of which hooted, and another flew in an arc, breast distended but silent, on two occasions, and a lone ♀ seen in the above area. A Red Phalarope feeding near this bird took one peck at the Pectoral's head, causing the Pectoral to fly. Saw a few males but only one displaying along Elson Lagoon in the afternoon.

25 June

Only scattered birds were seen along the beach ridge, one ♂ flying about with the chest expanded but not calling. In the afternoon 2 flight "hoots" were heard, ♂ seen giving a brief chase to a ♀ and this ♀ was jumped from a low mound in a relatively level area on which a nestcup ~~was~~ found. About 6 PM a chase involving Belmont constantly, and occasionally 3 ♂s and a ♀ was seen, lasting about a minute. No display but an occasional grating call was heard. At the onset 2 ♂s were chasing the ♀ who flew over 100 yards to an area where a 3rd ♂ was feeding. He got up joined the chase for a few seconds, landed, the original 3 birds moved away, came back, the 3rd ♂ again joining the chase, then landing, and after this

P. DeBenedictis
1965

Calidris melanotos

- 25 June Barrow, Alaska, ~~the~~ a 2nd male also quit, the ♂ flying back 80± yards and landed by one another in a polygon trough, but doing nothing after this.
- 26 June Saw or heard 2 or 3 ♂s and a ♀ near P. telna's Census plot and heard 4 short "hoo-it" calls well out in Holmes's Marsh. The birds seen were all more interested in feeding than display.
- 27 June Saw 4 or 5 ♂s and 2 ♀s in the VOTH area, one of which for a changed seemed semi-localized as it flew on a 40 ft. square area alternating low flapp and "hoo-it" calls with glides, wing  and silent, making the patrol. No ground display and it took off and flew about 100 ft. away to join a 2nd ♂ chasing 2 ♀s. Heard 6-10 area "hoo-it" displays in about 2 hours on the VOTH area and saw 2 or 3 flying with the throat distended. When they stand in this posture the breast feathers are widely separated.
- 28 June All of a sudden there are 15 or 20 all over ~~Central~~ ^{Micromet} Marsh ~~at~~ ^{now}, for the 1st time, more 15 than 10's. Heard only one or two displays but saw several males flying about with their chests inflated, and giving the rising and falling flight. Watched one male fly high into the air (to 80 feet) in a rapid flight, twisting and turning as if it were chasing a ♀ or another male but I was quite alone (it may have started out after a Phalarope). It walked towards a polygon on Micromet Marsh from which a ♀ jumped up suspiciously and found a nest with three eggs.
- Nest I

P. R. Benedict's
1965

Calidris melanotos

28 June

Barrow, Alaska - placed in tall dead grass and fairly well concealed. No distraction display and the ♀ did not appear alarmed except when she jumped up. Saw one flying in over the Barrow area in the evening (♂). The ♀s present now are very pale and I have mistaken several for Baird's Sandp. until I saw their yellow legs. None of the ♂s seen today seemed very localized.

29 June

The nest found yesterday has 4 eggs now and the ♀ went into a strong distraction display like C. pusillus in all aspects when I checked it. Birds near Gasline Ridge and in the VOTH area but saw 1 ♂ chasing a flock of 4 ~~females~~. There were males widely distributed today but heard very little hooting; rather the birds flew silently with inflated throats or gave the snipe-like rasping calls; ♀s still tend to be flocked and saw 2 or 3 small groups in the area of Micromet Marsh; when I flushed a group of golden Plovers a few Pectorals got up and flew off with them, and birds seen were fairly restless. Chases seen between ♂s were remarkably silent.

30 June

This was the best day yet for the species as far as numbers go. The species was widely distributed but many individuals were still in flocks, which were of 4-10 birds in #. Although there was considerable chasing by ♂s with the "gargle" chirped there was almost no hooting; rather the rasping calls were the predominant ones heard. Flocks were usually one or only and when mixed flocks often appeared to be chasing ducks. On the ground the birds dispersed rather widely.

P. DeBenedictis
1968

Calidris melanotos

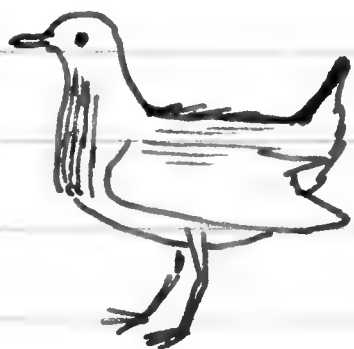
- 30 June Barrow, Alaska - so that this gregariousness was not very evident. The species was rather generally distributed through Central Marsh but was somewhat more numerous in shallower areas toward the center of the marsh where grass was fairly high. All fed by jabbing or probing. One ♂ with creamy-white outer primaries was seen and was very striking in flight. There was a small group in Wicomet Marsh and scattered ♂s were seen along the ridge and in the polygonal area N of the ridge.
- 2 July Birds are still abundant, relatively speaking, in Central Marsh, being widely scattered in the marsh and a few small (B-B birds) groups seen flying near the ridge. Heard a clear rolling note from a ♀ given as she fed and watched towards a 2nd pectoral; This note was unfamiliar. There was very little display flight, no "hoo-it"ing and little aggressiveness shown by birds seen today.
- 3 July Dr. Pitelka found a nest with 5 eggs in the VOTH area but he couldn't get the ♀.
- 4 July Heard one bout of "hoo-it"ing over the VOTH area and another near the Meadow Lake. There are no longer any ~~real~~ flocks but the scattered birds, which were especially numerous in VOTH slough, Footprint Lake and Central Marsh, often form groups of 2-4 when one flies about. 2 were seen flying with Western Sandpipers, q.v. The snipe-like call was given as often as the "terrek" flight call.

P. De Benedictis
1965

Calidris melanotos

5 July

Barrow, Alaska - There were none in VOTH slough today. They were scattered and not very social in Central Marsh, and very quiet, even when flushed. They were rather evenly distributed over the marsh as usual. One group of 5 was chased by jaegers. Heard one "hooking" in the evening, near lines IIIA-B and saw a ♂ get up, chase a ♀; the chase was joined by a second ♂ and eventually another ♀ was added. Later saw a ♂ repeatedly approaching a ♀ on the ground; the ♂ would walk ~~away~~ ^{away} and jump up and fly in an arc about 3 ft. radius away from the ♂ as it approached. The ♂ gave only a low, rough cooing call, ~~in in~~ ^{at least,} and, once after the ♀ flew some distance it flew after her and landed in a tail up posture:



and walked towards the ♀, who flew off; the ♀ gave up after this and began to feed.

6 July

They have much declined in numbers from even earlier this month. Saw only 3 ♀ and a ♂ in Holmes' Marsh and the rest in Central Marsh. Those in the marsh were prone to get up and form flocks of 6-8 birds, often picking up a few phalaropes or smaller "peep" and circle the marsh, often rising to 40-50 feet, and then landing again, but on the ground groups were not much in evidence. They are now more prevalent in wetter parts of the ~~marsh~~ ^{marsh} than elsewhere, and there are

P. De Benedictis
1965

Calidris melanotos

6 July Barrow, Alaska - at least 3-5 ♀s to every ♂ now.

7 July Saw 2 ♂s together ~~back~~ ^{in the NW} part of Micromet and about 25 birds in two groups in the main part of the marsh, only one of which was a ♀ and a group of 5 (2 ♂s) out in the polygonized area East of AAC5. Heard no hooting. The nest still with 4 eggs and the ♀ was attacked by a jaeger. Birds tended to fly up and circle the area when disturbed and were very social. Birds seen in the VOTH area were solitary and widely spaced but no display was seen or heard.

8 July Two groups were found near the VOTH area, one of 2 ♂s and 3 ♀s and the other of 2 ♂s + 5 or 6 ♀s. The former group showed some interaction between ♂s + ♀s, the ♂ approaching the ♀ who jump up and flew about 3 feet away as the ♂ moved near. Both groups scattered on the ground but were quite compact when all were flushed.

9 July No display; there were 1 or 2 small (4-6 birds) groups in the VOTH area and a few slightly larger groups in the area from here to Footprint Lake. There were a couple of large groups (20-25 birds) here and in VOTH slough, as well as singles and small groups. The flocks seemed to be of females primarily but several aggregations of ♂s were seen. When flushed they would get up and circle around and land again in much the same area as they took off.

P. DeBenedictis
1965

Calidris melanotos

- 10 July Barrow, Alaska. They do not appear to have changed in status in Central Marsh from July 6, except that the flock size is larger, much as was noted yesterday.
- 11 July a few small groups noted on Footprint Lake and a small group on the slough at the NW end of Ikroavik. Elsewhere this appeared to be the most abundant Calidris and scattered birds were constantly being flushed from wet areas. A ♀ shot by McCham appeared to be recently laying, and a very saggy-breasted ♂ was seen for the first time in a while, walking in a very erect posture before a ♀, but no display was heard and no nest could be found. They are much less common en masse than close to the lake but en toto are probably more numerous there than close in.
- 12 July The nest in Micromet still with 4 eggs. A flock of ♀s and 1 or 2 ♂s in the Marsh.
- 13 July A flock, loosely organized of 25 or so VORTH slough feeding along the stream. They got up in groups of 3-10 when approached. No ♂s seen in this area. A few other ♀s seen in the VORTH area. Very scarce in Central Marsh and not seen near line V + VI in Holmes' Marsh.
- 15 July The nest in Micromet still ok. Only one bird heard the entire day!
- 16 July A group of about 7 and 3-4 lone (all ♀s?) birds on the east side of Holmes' Marsh.

Calidris melanotos
~~melanotos~~

- 17 July Barrow, Alaska - about 25 found in VOTH slough. They fed out in the stagnant remnants of the stream where the red grass has grown to provide good cover. They are much shyer than earlier in the year and flush at fairly close approach. I suspect they are not feeding by subsurface type motions to the extent earlier in the year but saw very few actual feeding type motions. A few were also seen near line FFA along the park there and were similarly shy.
- 19 July The nest in Micromet Marsh OK but the only probable bird seen were flying well up in the air, circling over the area.
- 20 July I flew over the lines I-II and landed in the polygonal areas west of the Costline Ridge.
- 21 July a group of 6 seen just N of Pitelka's Census plot included 1 ♂.
- 22 July The nest behind AAGS hatched at last one youngster just leaving when I checked it about 10 AM. got photos. The ♀ was ~~very~~ very alarmed when I approached (more so than even where there were eggs) and went into prolonged distraction displays; she came to 10 feet of me on several occasions. The young were not inclined to run about today at all. See form. Jaeger.
- A small group still in VOTH slough feeding on the flat along the stream and in the stream, especially in openings in the taller (4 to 6") grass where they were hard to see. They were shy, not as bad as on 17 July but went into alert postures when approached.

P. DeBenedictis
1964

Calidris melanotos

- 22 July Barrow, Alaska - and did not form as tight a flock as on 17 July. They still are clearly probes contra the remarks of that date. At least 1 and possibly 2 ♂s present.
- 23 July 1 with a flock of Golden Plover near the Beach Ridge.
- 24 July 2 males heard ("chewch")^(11 seen) near the Gaswell Road at the O end of hives III were the only found today.
- 25 July generally ~~and~~, compared to the area by the lab, commonly distributed south to Ikroavik. Many ♀s and a few ♂s seen, the largest group of 2 birds. The only flock was just west of foot print lake - about 15, mostly females. Two ♀s when flushed flew about nervously giving a sharp, rather long and evenly spaced, "kat" note quite unlike anything I have heard from them before but reminiscent of the rail-like note heard from dunlins today.
- 26 July Heard near line IV B.

Coccyzus melanotos

28 May Black River at Mile, 15° 21' N, 10° 31' W, Alaska.
3 ♂♂ were seen sleeping in high polygonal areas
near to camp. Only 1 "song" heard.
1 ♀ was heard on the river. 2 Mi. N of
camp along the Alaskan R. when I approached
there all I got was "song", 1 ♀, calling the
"single" "single" call.

29 May Two were sleeping in a nest, many in
polygonal areas in a deep area. A female was
seen to be flying in a group to the Black
River about 1:30 PM. No nests, and no feeding
activity seen.

30 May One ♂ was seen to be in high polygonal
areas about 4 km. from camp along the Alaskan.
Not feeding. Thought I heard a song, but.

31 May A ♂ was flying through camp about noon.

1 June A ♂ seen feeding in a low polygonal area
near camp and later heard from similar
habitat. No vocalizations heard.

2 June A big increase in the noise - One ♂ feeding in
low polygonal areas in camp and 3-4 seen in flight
near the creek; some song in the groups of males
now, and much more singing. There are, however,
few in open land but most are feeding on
the tops of the low polygonal ridges where
there is much moss. They feed with rapid shallow
subsurface bill motions. Some song heard but with
evidence that ♂♂ are established, and most.

Colaptes auratus - 3

3 June Meade River Coal Mine. $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska.
a three male dance that went over it. photos
are:



3.

Now a 3 males were near the census plot,
but little activity was noted - several
singing on the tundra and only one song-
from a bird perched - was heard.

4 June 3 or 4 males near the village, more a few spaced
out and some looking young ones. Saw one from
the ground. Didn't seem much feeding, but I saw
the impression they ate grasses more than berries.
Many birds just resting or looking out from polygon
ridges.

5 June They seem to be forming through this A.M. As are scattered
and some, but some display of the BICE A.M., and a few
chases. Most were sitting quietly on polygon ridges and
high spots on the ridges until about 8:00 when feeding
seen. A group of 4 seen ^{singing} in the vicinity of South
right and Meade River, and a few seen there. Several
small loose flocks were seen, flying by and some
small groups, chasing, near the village. Most seemed feeding
seen.

6 June. Several to about including 2-3 seen camp. One A
has a territory in the census section, camp and the
AF Wainigan, and 4's go through them at their own.

- 6 June Macle River (and Mine, 157°25'W, 70°24'N, Arctic
Circle. Few birds were feeding. After they were to
be sitting in the Carex marsh and the Salix-
florosa polygonal bays. When I was out there, they were
doing.
- 7 June A few geese were seen with some
along Ikroavik lake, feeding in shallow
swampy marshes. It's conspicuous and not much
activity. Most numbers in the village ponds.
- 8 June One or two near camp and a few in the village
plots. ^{As they} sitting, not in the Salix marshes. This
species seems to be more common in the Salix marshes
region than the other Salix region. Not groups of
more than 3 or 4 birds. After 2-3 birds were
climbing to.
- 9 June It's hard to see them but some were feeding;
some looking over but not a lot and few (1 or 2) birds
chases. It's very conspicuous and not in the Salix
marshes as much as the Salix? but not in them.
For most of the week and then the Salix birds tend to
work with because they get in the tall grass where
I can't see them. One or two near the
census plot - mostly off. Not clearly stationed
low density. A few Salix with migrating Red Phalarope
Occasionally dropping out of the flocks and landing
a while but going on without much feeding
activity.

Calidris melanotos - 5

- 10 June Meade River at Mile 157.5 (212.5). 224 1st. Hatched.
The 2nd were almost more interested in ~~feeding~~ ^{catching} than feeding. Very scarce 5 of camp, possibly only 3-5 8's in the 10 miles of area here in area a + some ~~with~~ ^{where} to occasional, usually flushed from marshes ~~marshes~~, whence they go into water polygons ~~traps~~ areas to feed. 2's hard to see in the tall grass.
- 11 June 2nd commonest calidris seen but very scarce. Much 3rd coming in the area south of South Side but only 3-5 8's in the 1st 200 miles, flushed about 5 8's from marshes. Marsh singing badly. Not seen in the proposed area inland of here.
- 12 June A couple of 8's and a 7 near the 1st lake on Village Creek and 1 a 2 along Lake Agassiz. Probably 1 8 (22) on the census plot and 2 or 3 7's seen, mostly in the grassy areas along the about E-W row of stakes. A little song. Still can't see the 7's when they are in the tall grass.
- 16 June Little in evidence during the afternoon, mostly along the SE edge of Lake Agassiz where two-3 8's and a couple 7's flushed from the marshes. In the evening, there was some activity on the census plot, including 1st hooting males and a 7 giving a mouse run near the 1, 2 stake. Bird seen feeding at the edge of marsh pools.
- 17 June "Common" along the N part the village flats and on the far side the Meade River opposite the north dunes. Some hooting

Colinus melanotos

- 17 June Meade River Coal Mine, 157°25'W, 70°29'N, Alaska
and ♂♂ choring. Fewer ♀s in evidence. Seen to
be in and around the Camp pools as usual, and
as hard to see as ever.
- 19 June At least 2 ♂s on the plot and still singing a little.
2 ♀s in the area. When I investigated a L-Tail
Jaeger acting strange, I found a nest with 2 eggs
in - tact and a eaten-out egg shell near by. The
jaeger looked like it had eaten another egg. The ♀
pectoral was about 10 m. away and gave a weak
distraction display when I approached. The eggs
were still in the nest 4 hrs. later, but cold.
- 20 ~~June~~ A couple seen in the polygonized area on the bluff
of camp in the evening, not feeding.
- 20 ~~June~~ The most conspicuous colidine - or shorebird -
in the polygonized area ^{NW} ~~SW~~ of the village - 2 ♂s and
2-3 ♀s being seen. ~~Not~~ ^{singing}. A couple at the village
flats. One ♀ seen flying actively south along the
river, once nearly landing on the wind gauge near
camp. Two ♂s fighting near the village, crouching
near each other with the back feathers fluffed and
then jumping in the air, but no contact made; the
whole fight like ♂♂ fights seen in others of this group. -
Semipalm and Sandpeeps at least -
- 21 June The last two eggs, now cold, of the pectoral nest on the
plot eaten by a parasitic jaeger after I moved them in the
nest, about 11 A.M. Two ♀s and 1 ♂ on the plot, both ♀s
with nests. A Semipalm-Pectoral chase seen once. No song.

Calidris melanotos

21 June Meade River Coal Min. $157^{\circ}25'W$, $70^{\circ}29'N$, Alaska
♀ pectorals are particularly awkward to watch going to nests, because of their shyness. 100 to 80 m. does not seem to be enough, as the birds stop and preen for long periods of time and give an "anxiety note" - "weat weat". soft and Baird-like - at frequent intervals. They will go back and forth over an area several times without sitting, but do not "displacement feed" like dunlin. Frequent attack postures seem to be ~~characteristic~~ ^{characteristic} of them at all times. Birds seen feeding were in lunar pools.

22 June A ♂ just off the 2 row of the census plot in the evening and a ♀ flushed here as if she came off a nest. She was obviously interested in the ♂, and vice versa, and the ♂ came over, hooted softly. The ♀ would go into a solicitation posture rather like the pre-cop. Semipal posture and the ♂ followed giving a similar but more erect posture - very semipal like.



The ♀ would move ahead of the male and occasionally pump up feet dangling and fly off 6- to 10 feet and

land, the ♂ coming after her, until the two birds were lost behind a polygon ridge. A ♀ near the nest at the S. end of the 3 row, but no luck in finding the nest.

23 June A little hooting by Lake Agassiz seen ♂s and ♀s feeding in wet areas along shore and in islands in the lake.

Colinus virginianus

- 3 July Meadow River Lake Plot. 151° 25' W, 70° 21' N, Black
Crest on the summer plot. A group of 3-4 to 5
~~4 July~~ 1-2 near the Lake house, in flight.
- 4 July One or two males near the Black-bell, west,
in the Quercus bushes. When I finished the one
it flew on to the Conium plot and began
to feed with a small group of Chrysomitris.
A group of 3-5 in flight over near Agave is
and 1-2 seen on the Sporobolus plot in the
lake, where they appeared to be feeding.
Groups in flight gave the "creep" flight
note and on the single call, but no more
hooting. Not seen south of Smith Lake.
- 5 July Only 3-4 birds seen in the late afternoon in the
meadow, all were Quercus plots. One was feeding
in a plot, but flew to a Agave after I shot it.
Another in a plot flew to a Conium plot, where I shot it but it went to
a Quercus plot. Then near the Quercus plot, and
began to feed. Another at the pond. Then 1-2 at 7.
Others were seen flying in the pines
between plots. One to the south of the
of a large tree, where they were seen. Quercus
plot.
- 6 July A ♂ Chrysomitris, a ♀ and hooting went
through the plot, followed by a ♂ and ♀
He landed in a Quercus, which was at night;
only the ♀ hooted later. While sitting in a

P. DeBenedictis
1960

8 July. Marine River East Mills, 15725' N, 10° 4' W, Alaska
 1000 ft. - 1000 ft. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832

[illegible]

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Calidris alpina

P. DeBenedictis
1965

Calidris alpina

10 June Barrow, Alaska - (2) birds were found near a gravel area in the ARK area; I first flushed one bird, which flew in from the west, then after losing track of it, flushed a bird from a gravelled area; it flew out into the grassy area a short distance but didn't remain in the area. Later 2 birds were seen on a ridge in the Central Marsh and 6 (5 together + 1) were seen on patches of exposed tundra ^{in the} ~~at~~ CRREL hut area. They were rather quiet and feeding quite a bit.

11 June. Saw only ~~4-6~~ birds out near the se end of ^{Family} ~~the~~ lagoon, and one feeding observation.

001-11Jn-4P-1p-3C-0-0-j? (4/3 sec) - 45+20 sec.
The bird was feeding mostly in grass cut by lemmings and I saw it take at least 12 food items. In the evening heard the song, a more musical version of the fall and longer, and a second higher pitched descending trill. Birds very scattered.

12 June Saw only 2 birds along the beach ridge in the afternoon but 4 in the morning when chasing lemmings. There were quite a few out in the VOTH area and along the W side Family lagoon, including 4 or 5 groups of 4-6 and one group 29. There was considerable flight display and many pairs but ~~few~~ little evidence of any other activity. Birds tended to feed in grassy, upland areas and remain in one spot more than the other species of Calidris.

P. DeBenedictis
1965

Calidris alpina

13 June Barrow, Alaska. - still much the same story along the W side Family Lagoon and the ~~big~~ large group is still present in the same area. Some flight display but little else noted.

14 June Saw a number of birds, including a flock of 12 and a flock of 15. There was considerable territorial flight display and saw a simple wing up display given by two at a time birds accompanied by a 2nd, but nothing as fancy as that of C. bairdi.

15 June a group of 6-8 birds on shore of Elson Lagoon near Brant Pt., were very vocal and some of the group displayed considerably; they all seemed paired. In addition to the aerial display saw a wing out (up) groomed display in which one bird, calling, ran after another, posturing.



and a more direct chase posture with the wings closed often seen on migration.



at least 2 pairs in the barabara, some territorial display and a little wing out as above.

16 June about 30 birds along N edge of Elson Lagoon, in 2 loose flocks of about = size. Little display, as seen yesterday.

P. DeBenedictis
1965

Calidris alpina

17 June

Banore, Alaska - Some territorial flight display and similar notes given from the ground, and 1 "Wing up display" and a few choruses. There were at least 4 flocks of 12-15 birds in the area between Fanning & Smith Salt lagoons, but also several isolated pairs. None seem tied down to an area and all seem to tolerate a mixture of flocks, although some clustering might take place on the ground in the groups. They show a pronounced tendency to feed in higher drier areas but were also seen feeding in the Tangles and along the shore.

18 June

Considerable aerial display today and a little, simple ground display, primarily in solitary wing ups as it has been noted for June 15 and wing ups after landing. Most birds seen appeared to paired and territorial and only 1 was seen on the Beach ridge.

19 June

There were markedly fewer birds present in the area visited June 17 but the loss seems to be in birds which were in flocks at earlier dates. Those present were vocal; I saw many aerial flight displays and one wing-out on the ground but little else. The density of the species is apparently quite low.

20 June

Aerial display not infrequent today; saw a wing out like that noted for C. bairdii and pusillus, and one attempted copulation; the bird would not be receptive and appeared to fight the male.

R. DeBenedictis
1965

Calidris alpina

20 June. Barrow, Alaska - off later. One or two ~~attempted~~ ^{sexual} chases seen. No non territorial birds seen. In the attempted copulations the one bird chased the other (sex?) with a fluffed out posture, the wing folded but held away from the body.

21 June Dunlin had almost entirely disappeared from the area between H + S. Salt lagoons. The only birds seen were displaying ♂s near Br. Hor's area.

22 June Dunlin are more in evidence towards the Voth area than towards the ocean and were not very active although 1 or 2 displays seen (no ground displays). They seem to have moved into wetter areas, which were not available earlier in the season, for feeding. There were many pairs along Elson Lagoon and a fair amount of aerial display was seen as well as a series of wing outs followed by a ? sexual chase.

23 June Saw one bird get up and chase a ♂ Lapland Longspur which flew over, but did not make contact & turned away before the longspur landed. Saw three together at one time and heard 2-4 fight songs but saw no ground display other than a trill given in an ~~alert~~ ^{alert} posture.

24 June Only 1 pair noted for sure and little display seen in the above area. The species was more numerous in the Elson Lagoon area but no sign of nesting was obtained. They are either found alone or in pairs and a fair degree of aerial song was observed considering

P. DeBenedictis
1965

Colaptes alpinus

24 June Barrow, Alaska - the amount of wind. One was chased for some time by a Golden Plover, g.v.

25 June Birds seen in the morning were widely spaced and seemed to be either in pairs or singles. a little aerial display was seen and heard, this being one of the more vocal species encountered on a very quiet morning. On one occasion 3 birds were seen in a prolonged chase. Several birds ^{beginning} ~~beginning~~ the primary molt were seen in the afternoon - a displaying ♂ missing the Rt. inner primary, 2 displaying ♂ (separated) missing both inner primaries, and 2 silent birds (except for short Tull and flight call-note) missing both inner primaries. The molting birds all seemed to be alone, but several non-molting singles were also seen; one of the molting displaying ♂s was with a non-molting bird that gave a very short display, and one chase involving a "good" pair & a molting ♂ was seen.

The flight display consists of two segments; the bird flies to 20 to 50 feet up and hovers giving a low, rough, frog like "drrooooo" 3 to 6 times (at present), then glides or flaps like a Spotted Sandpiper moving usually down giving a rough, descending note "wreeweeeee" of variable length (0.5-1.5 sec.) and then repeats a loud. One was seen being chased by a White-rump, and did not fight back.

P. DeBenedictis
1965

Calidris alpina

26 June Barrow, Alaska - there was more aerial display over Holmes's Morass this afternoon than I have heard for some time. A bird seemed quite nervous about our approach and I saw it flying as if off a nest which Dr. Pitelka found. I was in tall (3-4") dead grass and contained 4 eggs, located about 35 feet from a jaeger's nest.

NEST 1

27 June

NEST 2

Saw 3-4 birds with wing molt and found 1 nest in the Voth area containing 4 eggs. The bird was obviously nervous about our approach and stood in an alert posture when approached. In contrast to Bairds & Semipals they do not fly much when going near the nest but run in a rather crouched, almost mouse like posture for as much as 100-200 feet before going to the nest, which is approached very indirectly. The bird sat once as if incubating when well away from the nest. The nest was out in rather sparse grass, well cupped over ~~by~~ by the grassy cup; believe but no sure that the incubating bird was beginning its molt. Birds were fairly noisy in the Voth area but few and far between everywhere else.

28 June

Nest 3

Saw a nest with 3 eggs in Micomet Marsh. The nest was in grassy level ground and fairly well concealed. The bird flew off giving a distraction display quite like that of pusillus (q.v.) and gave a similar high pitched call, which at one time attracted a Pectoral, a Semipal & a Snow Bunting. Saw 4 or 5 molting birds and found them to be generally

P. DeBenedictis
1965

Calidris alpina

28 June Barrow, Alaska - distributed and little more numerous than Golden Plover from about Mico-
met Marsh on to the vicinity of Gasline Ridge.
In the evening saw one flying rapidly inland over
the Baruel area giving a higher pitched, double call note
which I have not heard before.

29 June Birds were rather silent today and almost all seen
were in primary molt. The nest in Mico-met is still
3 eggs only and the 4 egg nest in the North area is unchanged.
Hamilton found a nest on the Beach Ridge near
the FAA tower. Two birds in display covered a very
large area, at least 1000 feet, unchallenged.

30 June Relatively few seen in Central Marsh, perhaps one
of the less common (of the regulars) in the marsh and
seen predominantly along the edge of the marsh. The
nest near Mico-met still contains 3 eggs and got a
strong distraction display from the brooding bird,
which sat very tight.

1 July Saw 2 birds, both with primary molt near the Mico-met
Nest and the bird still ~~sits~~^{sits} tight. When (she) jumped
(she) went into a wing out distraction display at
first, then into the usual + led us far away;



this was more plane like
than the other Calidrine
I have seen + may
indicate a greater
"kneeling" to "want to fly".
on the part of the bird.

P. De Benedictis
1965

Calidris alpina

- 2 July Barrow, Alaska - Still 3 eggs in Nest 3 but no birds around. Hamilton said the eggs were warm this evening.
- 4 July Except for a Burst of Semipal song this was the noisiest ~~Calidris~~ today everywhere. Heard at least 5 songs involving the fog note and many trills; the birds are quite inconspicuous and all seen are in primary molt.
- 5 July Found a nest with 4 eggs between lines 11th-12 and saw one other nest towards line 12; the birds are still slightly vocal, aerial display but are very inconspicuous, flying close to the ground and apparently only with difficulty. They go some distance from the nest when disturbed. Saw 2 ♂s together plus a few singles, probably 1/2 pairs. All are molting.
- 6 July For the 1st time under good conditions heard no songs with the fog note although I did note a few trills given by birds as they flew low and landed, often in a U-guide posture. This was the commonest Calidris seen everywhere except Central Marsh today, but most were very concerned about my presence & saw 2 in distraction displays along Elson Lagoon. None seen in Central Marsh.
- 7 July Two present back in Micromet and one on nest 3 set so tight I was able to touch it. still 3 eggs. Nests 2, 4 and 5 all contained 4 eggs and were attended by at least one bird. Heard a little song in the North area during the afternoon, though most noise was the trill rather than the fog note.

P. DeBenedictis
1965

Calidris alpina

8 July Barrow, Alaska - Dunlin were more visually conspicuous today than any other date previously, and I saw 4 birds together for the first time in days. They got along fairly well although one went into a wing up ∇ and chased a 2nd bird a 2 ft. for two occasions, never far enough to break up the group. Two scattered pairs and 2 or 3 lone birds were seen and one was found associated with a small group of Pectorals, and another with a flock of Semipals. When the bird was flushed from Nest 4, it chased the pusillus of nest 20 when the latter approached the dunlin's nest. No frog note songs but a fair amount of aerial trills considering the wind.

9 July McLean found a 3 egg nest W of VOTH slough in the afternoon. It was in moderately tall grass and fairly well covered. The brooding bird gave a good distraction display. Heard one complete song in VOTH area in the evening.

10 July A nest with 3 eggs was found S of ~~Elson~~ ^{Hicomet} along the gasoline in the morning and 3, 4-egg nests were found along Elson lagoon in the evening. They are calling more than any of the other shorebirds. The parachute trill heard frequently, but no frog notes heard.

11 July This was the ~~almost~~ the only Calidris seen except melanotos in the Ikroavik region. It was common here as anywhere and appeared to be nesting but no nests could be located; several obviously setting birds were seen and 3-6 parachuting trills were heard; ~~no~~ evidence of flocking noted.

1968

Calidris alpina

12 July

Burns, Alaska - the nest near VSC & L.S. contains 3 eggs and the nest in Micromet Marsh also 3 eggs, birds stilling. Checked nests in the VSC area to find that Nest 2 contained 4 freshly hatched chicks, and Nest 4 contained eggs. McCham found a new nest, which contained 2 freshly hatched chicks + 1 wet chick and 1 piped egg. Little song but some parachuting.

13 July

Nest 4 ~~still~~ was empty today and no birds were found in the area. Nest 2 area not checked. I noted 4 birds along the road in a area where 2 seen 12 July and thought they might be tending young, as they seemed very concerned by my presence, giving a loud whining note when I came near. One seemed to settle on something and trilled mm softly; This proved to be a downy chick. Eventually one chick began a high pitch clear descending call, rather like the trill in form, and I located a 2nd chick in a lemming burrow; the parents flew near and gave the descending note which quelled the chicks sometimes and I took this to be a warning of possible danger near by. Eventually 4 chicks were located in this area, and these were brooded by 3 adults; a 4th adult tended 4 more chicks across the "Gasline Freeway" from the 1st 4 chicks + the adult seemed only to be the two pairs as one bird fully crossed the road. Apparently they will accept foreign chicks.

P. DeBenedictis
1965

Colinus alpeus

13 July Burns, Alaska - The adults seemed to be out of each other and no chicks were seen although birds seldom came into close contact. The chicks froze at my approach and were difficult to see. They would not move even when touched with my foot. Nest 9 contained 3 eggs.

14 July Nests 10 and that near USC+GS with eggs. A group of 5 found in the ponds W of line 2+3 and 2 seen in Central Marsh. Still hear a little parachuting and the wing molt of individuals is less evident due to feather growth. There are several pairs obviously resting on Gasline Ridge S of line I+II, but we were unable to find any nests.

15 July The bird on nest 3 sitting. Not many seen during the day but a piece of egg shell was found near line IV on Pitelka's census plot in the evening.

16 July One of the nests found 10 July smashed & the other not checked. Saturated birds seen along Elson Lagoon but not elsewhere. From the egg contents the nest above was not a very old one, and ~~only~~ ^{only} 3 eggs found. The nest appeared to have ~~been~~ been stepped upon.

17 July Adults in the area where found 13 July and two young were seen. The chicks are much stronger now and when approached they get up and run; they can move! The adults seem as inclined to brood as earlier and the chicks look larger but not much plumage change.

19 July Nest 3 hatched, 3 young ready to leave the nest and 1 adult in the area.

P. DeBenedictis
1965

Calidris alpina

- 20 July Barrow, Alaska - Most birds seen were on Gashline Ridge south of the Traps and acted like they had young or nests. No song but still considerable parachuting and tails.
- 21 July At least 3 on Pitelka's Plot, one not seen and two ~~near~~ ^{near} but not associated with a flock of golden plovers. None many along Elson Lagoon and the N most nest was empty.
- 22 July Two pairs that acted like they had young were found at the west end of Line III. At one time all 4 gave distraction displays and they gave the loud call that seems to mean "change, don't move chick!" but no chicks could be found. They fed in grassy areas which were wet near the polygon (ridge) where they were 1st seen and the two pairs were not closely associated.
- 23 July A lone bird seen in low, moderately wet grass on the NE edge of Central Marsh. The USCTGS nest empty.
- 24 July Only one pair noted near Line III. There were about 3 pairs ~~on~~ the flats across (out of) VOTH creek from the Voth area. I several times jumped birds that looked like they were brooding or incubating but found no young or nests and were got as strange a alarm reaction (no distraction display) as I have sometimes in the past. None the less it was my impression based both on the behavior and spacing of the birds that they were breeders with chicks. Heard 3-5 parachute trills.

Calidris alpina

25 July

Barrow, Alaska. - adults were widely and ~~conspicuously~~ ^{conspicuously} spaced in the area south of Ikroavik, mostly at the margins of the wet ~~flats~~ ^{flats} well covered with grass around the larger lakes. Three broods of young were seen, all the chicks with ^{flight} feather capsules - still down tipped - projections about $\frac{1}{2}$ inch, and the body feathering downy. Three chicks were found at two of the broods and 4 at the other. Little song. One adult by a chick caught for photography gave a sharp "tseh" note in spaced series: — — — — — and so on, each time pulling the head down and flipping the tail up; the whole effect was quite rail-like. It gave a call intermediate between this and the "kerrit" flight call when it flew.

29 July

One with two chicks about the size of those above along the edge of a small pond in Holme's Marshes. The chicks were seen in a fairly dry, grassy area but were fleeing when Ist saw and the adult was feeding in a fairly wet area when found. No flocks seen, all birds appear to have young.

Calidris alpina
NESTS

NEST #	DATE	LOCATION	STATUS	NOTES
1.	26 June	^{N end} Pitelka's plot	4 eggs	in tall dead grass, fairly well concealed
	2 July		empty	file Dr. Pitelka
/ / / / /				
2.	27 June	NE ^{ot} of Voth area	4 eggs	on slight slope in rather sparse grass, the rim well cupped over. ? parent molting.
	7 July		4 eggs	2 present
	12 July			1 young in nest cup, ♀ present
3.	28 June	Micromet Marsh	3 eggs	well concealed on level grassy area
	29 June		"	parent sitting ^{tight} and giving good
	30 June		"	distraction on approach of nest.
	1 July		3 eggs	afternoon; ? ♀ present, both with 10 molt.
	2 July		"	no birds seen.
	July 7, 12,		"	♀ present
	July 15		"	one sitting.
	July 19		3 young	adult one present, young in nest, no shells.

P. DeBenedictis
1965

Calidris alpinus

NESTS

NEST #	DATE	LOCATION	STATUS	NOTES
4	June 29	D. Britton's Area	7 eggs	in grass on ridge top; Sound by Hamilton.
	July 7, 8, 9, 12		4 eggs	one present
	July 13		empty	no birds seen in area.

5.	July 5	S. Britton's	7 eggs	in grass on ridge top; Sound by Hamilton.
	July 7, 8		empty	

6-8 see NOTES Mc Clean

9	July 9	VOITH SHOUCH	3 eggs	in grass in low polygonized.
	July 13	"	"	"

P. De Benedichis
1965

Calidris alpina
Nests

Nest #	DATE	LOCATION	STATUS	NOTES
10	10 July	S. Micromet	3 eggs	♂ present; in wet grass on slope
	14 July	"	"	one present
11	10 July	shore Elson lagoon	4 eggs	near Braut Pt. Snowy Owl nest in moderate tall grass
	21 July	"	empty	(no search). no birds in area
12	10 July	shore Elson lagoon	4 eggs	near Braut Pt. Snowy Owl nest in mod. tall grass
	14 July			broken up, 3 eggs found in area.
13	10 July	shore Elson lagoon	4 eggs	near wolfshlag. in mod. tall grass.

P. DeBenedictis
1965

Calidris alpina
nests.

Nest #	DATE	LOCATION	STATUS	NOTES
14	12 July	Vothaka	3y, 1 pip. egg	in tall grass on slope to Voth creek; not stalked. one young recently hatched.

Delaware alps

2 June Mount River Valley Mass. $112^{\circ}25'W$, $11^{\circ}31'N$. High
low water good first view. The clump of grass
themselves, and are collected to the birds near
and near to the next water. Most of the birds
often appear in a small place it is made by
the confluence of the river. There is with ground
the clump, the birds are very active, and
the only one bird was seen the night, the
seen only for a short period in the A.M. In the
evening, there was a few birds in the "clump"
and the birds, not seen the birds and
giving the impression, that they are waiting for
the one bird which is seen before. There
was a part of a small plot along the edge where
I collected, giving in the clump and along
the edges of the clump.

3 June At the same place of A.M. At the same place, the
seen and the birds the clump. Most
seen in the clump of the clump. At the same
but the birds are very active. Most appear to
be the same as the birds seen the night. They
show the impression in the clump that the
vegetation is the same as the night. They are not very active. Most
try to get close to the clump. They are very active
and usually stop feeding, until the birds
and fly off 50 to 100 yards; sometimes they are
the same "weeatt" and the same as the night.

x

Calidris alpina

3 June Meade River Wetland, $157^{\circ}25'W$, $70^{\circ}34'N$. Alaska.
Pieris near the census plot in the evening and
heard one long song first. A group of 5 birds
at the plot along the river. They seem to
prefer the ridges about ^{100 ft} ~~1000~~ ¹⁰⁰ ft from the
main line of ~~ridges~~ ^{ponds}, which are also grass covered.
They seem to feed mostly in the water where the
grass clumps are fairly well spaced, otherwise
always alert and not easy to approach. With
ground display except when raising quite small
noise. But one ground song was seen. Saw one
running in a group of 5 picking material from the ridge.

4 June Birds near the village are mostly pieris. Some display
involving 3 birds and a few long song bouts. With
ground display. Birds are moving into areas where the
ground is moist and more covered, but not too much
covered with grass, and are finally spot where
the entire bill can be inserted into the ground.
A few more approachable birds are present now. None
with like nests are around yet.

5 June South of camp they seem to be localized in the early
marsh areas where the ♂s are stationed in the polygons
and pond ridges. Birds very inactive until 2, when
the ♂s began a whining, low-pitched ground song
which I have not heard before, a lower longer "fog call"
than the flight song ^{and} which I have not heard in the day time.
No activity except song and chase until about 4:30,
when a 1.7H feeding seen. There are none on the dry ridges now.

Calculation of time - 4

5 June. Melville River Look Alina. 15°25'N, 75°20'W. Alina. The quail are mostly brownish and the tail up, & wing up, young birds are occasionally seen, though old, unpaired birds are present. Saw some black plucking waterfowl. There are about 2 $\frac{1}{2}$ in the camp area and some seen in the most numerous near the village. Few long snouts along, possibly because they come in so slowly that the birds are well satisfied to wait for them before they come near. I saw one seen with particular as they were moving along the edge of the water. Not seen, however, & it was large & was in the water.

6 June. Little change in camp. One long snout & one with 2 birds in water, one sitting on a log. Birds are about 2 along feeding in water, mostly areas and in the village area near the village. I saw one seen, however, & it was large & was in the water. Not seen, however, & it was large & was in the water. Birds are present near the water.

7 June. Birds were seen along the village area and the village flats, and along the shore of Ikumak lake, with much chasing in the latter area. No long snouts. Birds not in the water much to any great extent but in water mostly areas with some few pairs.

8 June. 1 or 2 pairs near the census plot. One feeding in high polygonal areas and on the top of pond margin. Flushed a bird N of the census plot that almost

Calidris alpina - 5

- 8 June Thick Pine Land Mine, 15920' E, 7230' N. Alaska
certainly some off a nest, while I couldn't find.
Not as conspicuous as the other. In matter and
apparently spending with me; birds not very far.
A little song here.
- 9 June One of 2 pairs along the creek and 3 pairs among
the willows. Many pairs were in the willow O.H. in song
on the polygon. Others not singing. Sometimes
singing in the willow but not in the polygon.
Only 1 pair in the willow. Not many. In some places
there were many more. Much song at midday
the 5, 6 lake of the census plot. The pair at 1 is
not near where I thought the nest was made,
and only 1-2 pairs on the plot - low activity.
- 10 June Partially a pair in the census plot but not at
the census. Commencing from the willow and from
the area east of the census plot. Not much activity
and I don't see them on the ground very often.
- 11 June Only two pairs seen along south ridge, one kind
collected, which could have a nest now. A little
song from the ducks on the far side of the O.H.
Oxbow. The bird collected today had a BLG colic-
pilar and a tipical in its gullet. They are very
scarce!
- 12 June A ♂ near the 1st lake of O.H. age creek. 1 or 2 pairs
partly on the census plot but little activity there
Some singing from the south, as usual. Not at
all as common here as at Barrow.

Colinus alpinus - 6

- 16 June Meade River Coal Mine, 157° 25' W, 70° 29' N, Alaska
Still obviously present at the South end of Lake Agassiz and N of South ridge. No aerial song. Birds here as at Barrow beginning the primary molt. 3 birds on the census plot, certainly one pair which is band somewhat to the north.
- 17 June At least one pair at the SW part of Lake Agassiz, another on the ridge to Lake Ikmarak, and One on the far side of the Meade ^{2 mi. N camp.}. No feeders seen.
- 18 June A pair near the village in the village flat, both with signs of primary molt.
- 19 June A pair on the census plot acting like they had a nest, but wouldn't sit. Both with primary molt. When they flew off together, the ♂ sang. Later a little song at the 6, 6 stake. At least two pairs on the bluffs 2 mi. S of camp on the far side of the Meade River. One bird followed me around as I stalked it, staying just out of shot range the whole time, and never appearing to feed.
- 20 June At least two pairs between the village and Lake Ikmarak, judging from the hills aerial display heard, but none on the ground.
- 21 June At least two pairs on the census plot area but none seen on the ground. A pair between the two lakes on the W boundary of the plot.
- 26 June Again on the census plot, but no evidence of a nest.

Colinus virginianus

- 27 June Meade River Coal Mine, 151°35'W, 70°27'N, Alaska
A bird came in giving the alarm call when I got on the highland polygonal area, which I collected.
A 2nd bird was in the area.
- 28 June The birds on the census plot were very active this morning, singing in the air and on the ground. The wing up display given frequently. The birds on the ground were about in a corner posture but would not sit. ~~The~~ pair were on the plot, one on the left and one on the right of the plot and one on the left and one on the right of the plot, but not on the plot. What I could find their birds were.
- 29 June A few widely scattered birds heard in upland areas inland from camp.
- 30 June A bird came on to the census plot from the Lake Agassiz region and smacked off as if going to a nest near the 2, 5 stake, where I have seen them before. Couldn't find it. Later flushed a bird that acted suspiciously like it came from a nest near the 5.5 Squirrel nest. Like 28 June, when they are on the ground they tend to crowd in the grass and move around like mice, occasionally appearing to peck at surface objects. They are almost always in the flat, dry Liopharium area. Later saw 3 birds in similar habitat near the Conicula - Cetaria plots but not on them, and never saw them feed, as they gave alarm calls and went into alert postures as soon as I ~~approached~~ ^{found them}.

Alauda alpina

30 June Meade River Coal Mine, 157°25'W, 70°21'N, Alaska
found them.

1 July Not seen at all in the Village flat - village
downstream, nor in the region by North River.

3 July A ♀ (or 2 birds) near the S. E. corner of the
census plot were strongly attracted to the area,
not flushing when I got near them. When approached
they gave a harsh note, "ker-egg!" and
went up into some short grass. When I returned
they were down in the tall grass again. When I
passed they rose and gave another, apparently higher
pitched note. I was disappointed that I did not see them
lost again. They usually land in the tall grass and
then to rise, a bird very much of note.

4 July There were 3 or 4, probably 4, pairs in the area
just S. of the corner of the census plot. The first two
were just beyond the North River, where they were
out in a flat, almost dry Siphonura area, and
feeding around the edges of the Siphonura area.
They were not nesting yet. The next pair was near the
stream flows, and was seen feeding on the edge of the
and gave a call like a little bird, followed by a
goshawk, and occasionally the 4 pairs. The other
two birds were in an adjacent area, gave a
loud "ker-egg" and



ker-egg. There
were two in the same
plot near the S. E. corner

Colinus virginianus

4 July. Mouth River Lake House, 157°25'W, 19°04'N, Alaska.
so unusual, and also quite the "stamp" and
on my approach, though when I moved off,
all they did was feed in some slightly flattened
and wet Eriophorum flats, feeding in very loose
clumps of Eriophorum and evidently on the surface.
The pairs were also present near the pond and as usual
and gave me the same "stamp". They continually
cut like they were birds. The noise in the
Eriophorum area except the pairs in the pond,
pools, and near Eriophorum was in.

5 July. Only one pair in the flat ground. In front
of the house, in a wet Eriophorum ridge between pools
and also in a Eriophorum flat.

6 July. There were more birds near the flat than
usual. Two towards the back of the flat
met, and two near the S.E. corner, where
they continue to cut like they were birds.
They are localized in a wet Eriophorum flat
area, and the adults are doing much surface
feeding (not deep swimming). These birds in
area along the S.E. pool, all cut, and the Eriophorum
flats, two of the birds feeding. They flew off
when I approached, though one seemed a little
attached to the noise.

8 July. Duvlin which appeared above about my
presence (not seen feeding) were found in wet
to dry Eriophorum flat near the Black-sally

146C

Quercus alpinus

- 8 July

Middle River and West
~~157025' N, 10229' W, Area~~
Flower nest (2) and on the river post (2). No
chicks seen yet.

9 July. The only another notes of the common plot were
a pair joining ~~always~~ ^{always} ~~calls~~ from what *Empidonax*
coqui spaymer; with *coqui*, to the west of the
place nest.

11 July. Shot a pair on the Eriophorum flats near the
Flower meadow and others (2) on the Eriophorum
flat on Smith ridge. ⁽²⁾ and the west
Eriophorum between the same meadow and
west of the common plot. None seen in the same
plot. Others there a number of 3-5 days in the
Eriophorum, can't tell what they are doing,
and are unable to find them though they
are probably out now.

P. De Benedictis
1965

Calidris ferruginea

25 June Barrow, Alaska - a bird found by Dr. P. Telka ^{at} ~~on~~ the d end of his census plot was seen today by 4 observers including my self. It (as yesterday) associated very loosely with a small group (2 or 3) of Turnstones and visited a polygonized area now being exposed. First found, it was giving the flight song, of which the descending whine ~~only~~ ^{only} was audible. When it was close could hear the song, according to Dr. P. Telka a shortened version, which ~~centered~~ ^{centered} around the complex phase and consisted of 3-5 doublets, the 4 part phase (which is rather Emminger-Passerina-like) and ~~the~~ 3-5 whines. No flight notes seen. The only time I saw it ~~feed~~ ^{feed}, it was along the top of a polygon ridge on ~~rather~~ ^{rather} exposed open area, and appeared only to peck at the surface ~~without~~ ^{without} in setting the bird into the soil. It was really high reddish buff on the head and breast and the white crop was distinctly marked with dark on the feather tips; the ~~white~~ ^{wing} stripe was pronounced and the underwing was white strongly contrasting (more so than any other small Calidris) with the rusty underparts. The bird appeared somewhat thinner and ~~a~~ ^{clunkier} & the body seemed proportionally larger, making the whole bird look a little bigger.

26 June Still present and quite vocal. It gives the doublets alone frequently and sometimes only the 4 part phase; the whines only are not all at unusual. Saw it chasing a Baird's Sandpiper 2 Xs on one occasion.

1965

Tryngites subniger collis

12 June

Barrow, Alaska - I flew up to Rob Hammett + me at the VOTH area, going over us and landing behind a mound a ~~short~~ ^{fairly} distance away; before we could get to it it jumped up, flew back over us + out away towards the Beach Ridge. When it flew over it was entirely buff on the underparts contrasting with the white wing-lining and above it showed very little pattern; the breast appeared to be a bit darker, and it was silent. It was larger than a dumelin, smaller than a plover.

17 June

Watched a single bird for some time ^(2-5 min) as it fed on the highest parts of a dune area in open dune area on wet, almost dry, soil. It fed by rapid pecks and ran about constantly between pecks. It covered about 20 ft while I watched, excluding two flights totaling about the same lengths and stayed with 4 dumelins most of the time, although the two ignored each other. It was silent. It is a big-bodied, big-headed bird with a thin black bill and fluorescent orange-yellow legs; the back is sharply black spotted and the sides of the breast are lightly streaked and the lower belly is paler than the rest of the underparts; the bill is very thin like a Northern Phalarope. In flight it shows no pattern above although the tail, which is almost pointed, is marked with fine black transverse bars; the wings are broadened with darker color beneath.

P. DeBenedictis
1965

Limnodromus secolopaceus

- 20 June Barrow, Alaska - Two were seen flying in from the W and landing in a tangle area near the SE end S. Salt lagoon about 4:30 P.M. Not heard but supposed to understand.
- 21 June Two birds seen in the area where we saw ~~the~~ two land yesterday and definitely the species. They fed in a flooded polygon tangle and by rapid jabbing motions sticking only the terminal third of the bill in the substrate.
- 24 June Two feeding in a flooded trough in a 2" water with rapid jabs of the bill, inserting only the tip 1/3 or so. They gave a short note rather like that of a Turnstone when approached but didn't flush.
- 25 June A pair was seen feeding in a flood area at the NE end of Central Marsh and 2 were seen on two occasions near the North area. The pair in Central Marsh gave a complicated, ralling call, a short burst of ~~note~~ ^{note} followed by a longer, slightly descending trill.
- 27 June Saw and heard one on two occasions in the Baruel area and saw one with a golden Plover in flight and saw the same or more likely another in short displays over the polygonized area near lines III A-B. The flight call given by displaying birds is a "rolling, staccato" "plii-i-i-i-i-i-p" and the display call, given in a flapping flight 30-45 feet up is a "plp ple-e-e-e-e-p" or "plp plu-u-u-u-u-u-p" similar in quality to the above flight note. The usual "Keek" note was only seldom heard.

P. DeBenedictis
1965

Linnaeus scolopaceus

28 June

Barnes, Alaska - 3 rather silent birds ("keek" note only) were seen near Micomet Marsh, a pair and a lone bird which sometimes joined the pair. The only one seen feeding was "jabbing" in a shallowly flooded area with ~~Redstart~~ Pectoral Sandpipers.

29 June

Saw singles near line I+III, one the VOTL and one at Micro net Marsh, the 1st and last displaying a little.

30 June

This was the most conspicuous and almost the most abundant species on Central Marsh; they fed in fairly groupy areas and tended to keep in groups and at least in pairs. The rolling display note was given about 10 times for each "keek" note and the doubled display song, given in flight, was frequently heard. They were much less vocal in the evening. In addition to the birds on Central Marsh I saw about 6 in the polygonal ground S of the Beach Ridge and 2 in Hornet Marsh.

2 July

Dowitchers were found widely in the area covered but were clearly not as common as on June 30. They were much less vocal, no display notes being heard and only occasional "keek" notes from birds which I flushed. The tendency for birds to be in pairs was much less marked today.

3 July

about 40 in VOTM slough and 10 in Micromet.

4 July

3 birds in an aerial chase were seen over trap lines IIIA-B, and disappeared to the W. at least one gave a song which I can transcribe as:

$p|p|p|p|e$ $p|p|e$ $p|p|e$ $p|p|e$

P. DeBenedictis
1965

Limnodromus scolopaceus

4 July

Barrow, Alaska - the phrases being fast, low and rolling, almost staccato. Couldn't tell which was calling. There were about 45 ± 5 birds in VOTH slough, mostly silent. The majority (80%) feed out in the stream or in pools, the remainder did + feed or were in soggy ground. The bill was only shallowly inserted into the ground. The "keek" note was the one most often given, but occasional segments "pl pl pl pl...." of the song were given, under uncertain circumstances. One group of about 20 was very flighty and kept jumping up and flying & landing again - they gave only the "keek" note. The ~~rest were silent~~ ^{selected few} and from these only were given the song phrases. A lone bird of this group was seen to get up and fly rapidly and strongly along the creek about 3 feet from the ground - 3 times it suddenly twisted snipe like, rose 10-20 feet up and descended to the original level, continuing to twist as if it were being ^{chased} or were chasing; it finally landed along the creek and fed. It seemed to be silent. Two lone birds were seen, one W of Gasline Ridge & the other along Cuthbert Marsh, that allowed close approach. The only other seen were a group of 80 ± 10 in the SE part of Central Marsh and 39 in the W-central part of the marsh. They acted much like those in VOTH slough but were not as flighty and were associated with Golden Plovers. A ♀ was seen to chase a ? ♂ in a hunched posture similar to many Calidris, and a ♂ was seen to rise from a flock & fly towards another group giving a partial song, but nothing else happened.



P. DeBenedictis
1965

Limnodromus scolopaceus

5 July Barrow, Alaska - There were only about 30 in VOTH slough this morning, and other than 1 short partial song and a few head notes they were quite silent. They fed mostly in the creek. In the afternoon several small groups (up to 10) were seen in Central Marsh near Pitelka's plot but no calling was heard other than the "keek" note when the flocks flew. A few solitary birds but most were quite social, and those in Central Marsh were with flocks.

6 July There are probably as many in Central Marsh as ever, for the group along the SW end is still there in addition to a group of ~20 at the NE end and a few isolated individuals. The small flock at the NE end got up once & circled the marsh a couple of times and landed again, giving the "keek" note while in flight. Heard 3-4 bursts of song, one which might be diagrammed

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and lasted about 1 second. Isolated song elements usually are the terminal trill only.

7 July A pair seen in Micromet Marsh, one of which gave the terminal trill to the song, in the morning. Heard some song from VOTH slough and Dr. Pitelka flushed about 20-25 from this area.

8 July A group of about 40 still present in VOTH slough. No song. We found several series of holes in the mud, all in bare spots between clumps of grass, which we believed to be made by Dowitchers. The proportion of ♀s in the group seems to be fairly high.



P. De Benedictis
1965

Limnodromus scelopaceus

10 July Barrow, Alaska - heard song over the Meadow Lake area.

11 July 3 birds flying with 3 golden Plover and a lone bird were seen in the Ikroavik region but no downy noise was ^{heard} ~~seen~~ nor were ^{downy} ~~any~~ ^{others} seen on the ground.

25 July Two, including a long-bill, probable ♀, seen near the large Sabine colony we found; ~~and~~ they did not associate closely, and were not vocal. About 1 mi. NE of the old gas well near Sargovak a male with 4 chicks was found in ^{extensive} ~~the~~ grassy border to a pool. The area was saturated, with some standing water, a mossy bottom and much washed by runnings. The chicks ran when exposed and went into clumps of grass or in running runways before freezing. The ♂ primarily gave the "phee" call, like a song syllable; and sang once; it came to within 7 feet of us while we were photographing the chicks. All 4 chicks were found and two were taken. The chicks were quite young as they had large/larger than the rest of the gut, yolk filled sacks in the abdomen. They were not very fat and not the earliest thing to skin in the world. One chick seem to peck for food even though a full yolk supply in the belly.

[illegible]

30 Mr. Nelson King and Mrs. 57° 21' 10" N, 109° 38' W, 10000

One flying along the river and saying
 "Only one" and two flying along the river,
 saying the "one" and, were ^{about 11:00 A.M.} ~~at about 11:00 A.M.~~

En 4. 11. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845.

31 May. Home at night in rain. The cinema is 400 yds.
Saw 1st ~~at~~ ^{at} camp early afternoon. I saw the
other people from the "Sensory Plot" house, mostly
they were. Have not to see and on the ground.

[illegible]

June - Pineapple and the first regiment into the city

Rep⁸⁸ 11/2 weeks much difference. They can take
 point and directly against me. They
 made plenty of very interesting notes. The
 5 got red when talking to a number of birds,
 with a little boy, while the dogs that are
 Rep about 7 days ago. They are always 11


P. D. ...

Living Animals Dec 12, 1905

[illegible]

5. There are many very old houses that have been built in
a frame of the old style, and they are all
in the same style.

6 June One singing around camp and occasionally flying over. 2⁺ ♀ and a long bird in camp. The song is given by the ♂, typically pleh pleh pleh-lade-lade do, the last

lost complex of notes usually repeated 3 times. The bird zip
about singing a variable combination of these phrases plus a
longer rolling note, often given on the ground  and gives the most complete song as it glides to a landing.

Limnospiza alpestris

6 June. ... 17:20-25', 200-25' N. ...



22

The song
 group

7 June. A few ... the village
 A pair in
 a
 of the

8 June 3 or 4 ♀s in the village flats, all met in the

Limnodonus scolopaceus

- 9 June. Alaska River Coal Mine, $150^{\circ}25'W$, $18^{\circ}29'N$, Alaska.
A ♂ along the creek and 2 ♂s singing over the
west end of the village range. 2-3 ♂s in
the village flats feeding in the Swamp marshes,
where there is standing water. When I approached
the ♂s gave me a stutter - pi-tit-tit-tit-tit
a high-pitched stuttering call. Two ♂s sang a little
when I finished them and some are only loosely
associated with 4-5 possible mates of ♂s. Respect
the ♂s both court and care for young, the ♀ being
present only to lay eggs. One singing over the
lake W of the census plot and a pair on the plot
in the evening.
- 10 June. A ♂ singing over the census plot and one over
camp & ♀ feeding in a swamp marsh behind the
camp. The only species that is reasonably common
here now.
- 11 June. A couple of males singing over south range, one
over the census plot, and a ♀ feeding in Swamp
marsh at the W end of the side basin S of of South Ridge.
- 12 June. Saw a chase involving 5 birds and with much
song W of the village. A ♂ over the camp area and
a pair near the mine most of the day. One of
the noisier local shorebirds.

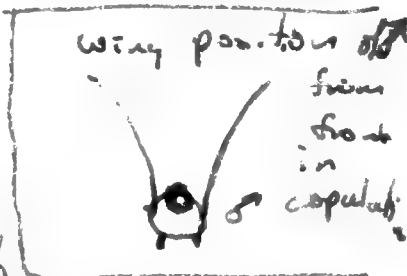
Limnodonotus scolopaceus

- 16 June Mende River Coal Mine, 157°25' W, 70°29' N, Alaska
A couple of ♂s seen along the W side of Lake Agassiz and occasionally giving much song. No pairs closely associated and no ♀s seen.
- 17 June Two ♀s alone in the village flats. Two ♂s along the W side of Lake Agassiz, still singing a little. Seen on the far side of ~~the~~ Mende. The ♂s commonly sing when flushed but the ♀s first gave the "keek" note in rapid series. ♂s singing by Lake Agassiz.
- 19 June A male singing over the census plot area during much of the day. In the even a ♂ got very excited about my presence on the high bluff 2 mi S of camp and, with a flourish, moved about with me, staying just out of gun range. Later it turned up with a ♀, which I shot but did not wound enough to kill.
- 20 June A couple of ♂s seen over the village dunes and over the polygonal area NW of the village. Only a little song. No ♀s seen.
- 21 June A ♂ singing intermittently over the census plot most of the day. It landed only N. and S. of the plot as far as I could tell. No ♀s seen.
- 23 June The dowitchers have moved into the large marsh in Lake Agassiz where they are out on the sphagnum flats feeding actively, and in lesser #s in the margins of the lake. One ♀ watched feeding was definitely probing the base of ~~grass~~ tufts, the bill slightly open the motion being 3-5 jabs ^{followed by} 1-2 probes, then moving to another spot. There are others and several ♂s almost

Limnodromus scolopaceus

23 June

Meade River Coal Mine, 157° 25' W, 70° 29' N, Alaska.
certainly have nests, but I can't tell where. In the center
of a lake I was attracted by 2♂s singing a little and
chasing a ♀. A male, then a 2nd pair joined and
all six birds landed and fed in an area ~~40~~ x 10 yards,
staying close together. I saw the ends of 3 copulations
and the probable, but unfinished start of a 4th ^{all in the} group. The
♂ mounted the ♀ and remained on her for 5 to 10 ^{only}
seconds, making little contact with the vent, usually at
the end of the period. He did not grasp her head or
nape at any time, but ^{he did lean} ~~back~~ ^{his} back, ^{tilt} down over
her, as he crouched and raised the tail. In one case
^{the male's} ~~the~~ wings were down (folded) but in the 2nd two attempts
the ^{♂s} wings were ^{fluttered slowly} up and fully opened -
almost straight over the bird, perhaps
due to the wind. When the ♂ jumped off
he did nothing but the ♀ fluffed and shook her back on
two occasions and ^{did} nothing the 3rd time. They fed a
short while - 10 to 15 sec - after the ^{copulation} ~~group~~. They rested
quietly 1 to 2 minutes and began feeding actively,
^(within 1 foot of each other) close together. All copulations seen were preceded by a
song, which I ~~thought~~ ^{may have been} given by a non-involved ♂,
and the ♀ gave a soft call, "plee-dee plee-dee", when
together. The ^{prob} ~~probable~~ start to ^{copulation} ~~the~~ began when
the ♂ flew up and ^{3 to 4 ft} ~~hopped~~ over the ♀, legs dangling
like a phalarope, and sang "plee-dee plee-dee"
2-3 x, then landed
in ~~the~~ group of dowitchers including 2♂s and his ♀,



Limnodromus scolopaceus

23 June Meade River Coal Mine, 151°25'W, 70°29'N, Alaska
and in a hunched posture
chased first the 2 ♂s off
6-10 feet then chased the
♀ over a distance of 8 to 10
feet. No copulation followed



hunched posture

this, the two birds feeding close to each other.
I stopped watching to make notes at this point, and then,
within ~~5 to 10 seconds~~ ^{seconds} the male had mounted the ♀.

On three occasions when I flushed the group
trying to get close, the flock got up and landed
about 10 to 30 feet off. When the ♂ associated
with the ♀ landed, he immediately chased ^{any other} ~~the~~
males near ^{his} ♀ away so ~~that~~ ^{that} none were within 10 feet
of the ♀. (One copulation was seen after the birds had
flushed the first time...). The impression that the ♂
was defending a ♀ in the group was unmistakable.
One short song flight seen by an unmated ♂ included
a song like the "pee-ep" song - "plee de la de la" -
and given from ^{about 8 feet} ~~a low~~ ^{up}, the wings open but flat
and the head lowered below the body level during
the song, raised slightly above after song, as in
normal flight



song position



flight position.

himnodromus scolopaceus

23 June Meade River Coal Mine, 157°25'W, 70°29'N, Alaska
Also seen ~~was~~ a bit of group behavior, usually confined to ♂s, which I do not understand. A ♀ (not of the mating pair) landed about 15 feet from me and then, throughout on open (25% open cover) sphagnum crunched and snatched along close to the ground, towards a grassy area some 50 feet away. When she got there, and 2x on the way, she went into a alert posture, and at the "destination" got up and flew away. About 5 minutes later I went towards the area, and flushed a ♂ which first ran off close to the ground, then flew off. Sometimes in these "sneaks", ~~they~~ ^{when} they go into an alert posture, they give a peevish-like "wheet wheet" note. Usually this behavior noted in very open, areas (one on a open lichen patch, where it seems most unlikely the birds are resting, and as mentioned, it does seem to be more common in ♂s than ♀s.

25 June 3 (ad, ♀) playing to the area in front of the North Whiff and / singing on the later opp. these whiffs.

27 June A ♂ collected in a marshy area was the only one seen on this far side of the stream today.

28 June A ♀ feeding larvae pools just south of the census plot in the A.M.

29 June A ♂ feeding along village Creek just above the 1st lake, in the few shallow grassy flats there. One in the marshy flats along lake Agassiz, and took over the area.

Limosa borealis

- 30 June Meadow River Coal Mine, 153° 25' W, 70° 24' N, Alaska
Occasional males singing near the census plot
and over Lake Agassiz but no group evident.
The Ps are still highly vocal, but pairs rarely
seen at any time.
- 4 July 3 or 4 lone birds seen near Lake Agassiz. Almost
no singing at all.
- 5 July A group of 4 seen ^{flying} over the flats opposite West
dunes, but not landing. None seen on the ground
there.
- 6 July A ♂ flew over the census plot this morning, almost
singing, but wouldn't come within 100 m of me.
- 7 July One seen over the polygon Carex pool in land of
the dunes opposite South Creek.
- 8 July Flushed from Carex pool by Lake Agassiz.
- 9 July A ♂ flushed from a Carex pool near the
3-egg Kongspore nest. It flew to a high and
circled, about 30 ft. away, and stood quietly,
watching me. It did not go back even after I
had backed off about 25 meters.
- 11 July Still a ♂ down by the census plot, which
probably has chicks. It flushed up and circled
about 10 feet away, then crawled off through the
tall grass. It was on a sphagnum duff in
a Carex pool area. A mother P came in from
the marsh near the Starnigan nest and stood
for a while, quietly watching us. They probably
have hatched young now.

Lobipes lobatus
is now
Phalaropus lobatus
per AOU 1998

Colaptes auratus

- 3 June Maudslayi River Pool Area, 15°25'N, 10°24'W, Area A. A few seen throughout day, about 1 per hour.
- 4 June 3-5 seen, no nesting seen. A few perched on *Clusia* near village.
- 5 June About a dozen, mostly in some small trees, and some perched on *Clusia*. One perched on this camp in the early afternoon. They were a bit like the "house" but I don't know what the difference was. Don't seem to have the "special" of *Clusia*. Saw a few in a pool behind camp in the evening.
- 6 June A few were flying about camp in the pool area.
- 8 June 200 to 300 perched on the camp area, feeding along the edge, and some in flight. Some were perched.
- 9 June 200 to 300 perched on the camp area, not feeding. Several small groups of 1-2 young seen in the evening. When I saw a lot of *Clusia* in the evening, the birds were there.
- 10 June A few to seen in pools and in flight. One seen near camp. Not as common as *Clusia* but usually seen only by the village area.
- 11 June Most close to camp but 1-2 perched near the south ridge area.
- 12 June Seen in the pools behind camp and in Lake Agassiz only. Less # seen than *Clusia*.

lobipes lobatus

- 16 June Mcade River Coal Mine. 153°25'W, 70°29'N, Alaska
A ♀ in the ponds behind the camp and 1 or two along
the shore of Lake Agassiz. Very inconspicuous and
evidently localized now. All out in pools.
- 17 June Birds in the pools, as Phalaropus, seem to have
trouble getting food. Seen along the west
side Lake Agassiz (2 ♀) and behind camp (1 ♀).
Steve got a ♀ on the far side of the Mcade 2 mi.
N of camp. Very scarce.
- 18-19 June Still a few about camp.
- 22 June One seen flying through camp - the 1st noted in
some time.
- 23 June A group of 2 ♀s and a ♂ and later 4 ♀s were
one Lake Agassiz, usually out in very open areas,
and doing very little feeding. No indication of
associated pairs, but the little fluttering flight
of Red Phalaropes, given by the ♂ with 2 ♀s. They
are now calling the "pltik" note heard on ~~the~~ migration
in Calif, and the "blackbird calls" were noted
only from one ♀.
- 25 June Birds seen were in flocks, all ♀s, and very active.
One flock of 5 with a Red Phalarope, seen at a distance,
and probably increased to become 8, from which 2
post-breeding ♀s starting the post-nuptial molt
were collected. They had not been feeding much.
The flock seemed to prefer very open patches of water
when it landed.

1966

Lophipes lobatus

- 27 June Mezcla River Core Marsh, 15025'W, 1929'N, A. Subar.
3-4 ♀s and 1-2 ♂s in the large lakes in the flat opposite camp. The birds only sang sporadically and no fights seen. A group of 3-4 ♀s flew over.
- 28 June Small groups of plovers, mostly this species flying over the same flat near camp during the day. All seemed to be ♀s. The birds were very noisy, giving a high pitched, fast "chick" note like the note given in migration.
- 29 June Small groupings still present on Lake Agassiz.
- 4 July Several small groups still in Lake Agassiz and at least 1 lone ♂. The group appeared to be all ♀s. The calls now typical of birds in migration.
- 5 July A small group of 4 birds in the same shallow lake opposite with some. The birds were very noisy, singing, but did not seem to be moving through.
- 8 July 1 or 2 in the wet marsh near the lake shore. All appeared to be ♀s.
- 11 July One ♂ seen about 1000 ft. in a small pool with 1-2" of water. It seemed to be most interested in one small object as it swam by.
- 13 July About half a dozen birds got up from water and flew along with a transient large flock that went over. Most appeared to be ♂s.

Phalaropus fulicaria

P. DeBenedictis
1965

Red Phalarope

11 June

Barrow, Alaska. - Saw 2 birds, one still with white on the belly, flying to the east from Fannell lagoon about 930. Feaster saw 2 white-bellied shorebirds that sounded like this spec. about 9PM saw a flock of 5 flying east over the barrell area, all in good plumage.

12 June

2 birds seen flying east along the Beach Ridge about 2PM.

13 June

one pair seen in ^{nest} puddles in high polygonized area; they fed in the water and just dipped the beak into the water as single motions without spinning and the feeding motions; they flew around a lot and seemed quite nervous; Cree & seen feeding out in the grass

14 June

Saw **at least** 3 pairs in **rain** puddles along the shore of Elson lagoon between Orepik & Wohlsehag Sloughs; they fed in the puddles and picked for food items near the surface of the water.

19 June

at least 6-7 birds were seen for the area between S. and Middle Salt lagoons, mostly flying over; a few landed in or near pools and fed. No obvious display, the notes heard being primarily the sharp "keet" call note.

20 June

A number of birds seen today including one in more winter than summer plumage and more ♂♂ than ♀♀. Still social, often 2-3 ♂♂ in a flock. They give a "zueet" call in flight rather reminiscent of a Hutton's Vireo and feed almost exclusively in puddles.

P. D. Benedict's
1965

Red Phalarope

21 June Barrow, Alaska - Saw an attempted mounting. The ♂ hovered over the ♀ silently, feet dangling, for 10 seconds. The ♀ wouldn't let it mount, pecking at the ♂ and chased it off giving a few soft, quiet "kēt" notes. Later saw a male courting a female; it ran around in front of the ♀ making soft pecks at the ♂s forehead and occipital region until the ♀ sat down. The 1st time this happened the birds got out of sight but they were then aroused again and the same process repeated until the ♀ sat down & the ♂ sat down beside her. A 2nd ~~couple~~ ^{couple} and watched the 1st ♀ on the head & flew off; the ♂ then repeated the pecking and the pair sat side by side. When the ♀ sat she assumed a sleeping posture. In contrast to the other shorebird species they are more numerous today than yesterday, most in troughs in a high polygon area by trap lines IIIA+B. They feed in the water or along the edge in very saturated areas by pecking for food items. ♂s are quite variable in plumage.

22 June No courting seen, and about = in numbers to the ~~seen~~ yesterday. There are additionally good ~~numbers~~ ^{numbers} on the highlands near Eison lagoon. Saw much more spinning today than in previous days.

23 June Birds seen in the micromet area selfed with pecking motions and stayed in very wet areas, either pools where they swim & spin or shallowly flooded areas where they walked about clumsily searching for & pecking at

P. DeBenedictis
1965

Red Phalarope

23 June Barrow, Alaska - food items. No courting seen.

24 June Again saw birds feeding in the micro mat area by pecking at small tufts or clumps of moss, picking them up with a pecking motion throwing them aside. Sometimes ~~they~~ ^{they} ~~pick~~ ^{peck} the moss to pick at some object newly exposed and other times they seem to suddenly go after a prey item that is fleeing, the moss pile being searched. Birds feeding like this are in shallow water, standing on the bottom and the moss clump are just exposed or just under the surface. The species is (still) quite social, groups of ♂s or of ♀s only being encountered as well as groups of odd sex ratio, but pairs are also to be seen. The birds in the Elson Lagoon area were also seen to peck at moss clumps and throw them aside although not as frequently as at the micro mat area. Chases involving 4-5 birds were seen on several occasions and few pairs were noted. Phalaropes were seen in Central Alaska for the 1st time.

25 June Widely distributed and social in low, flooded areas in all areas visited. No courting seen and no obvious nests found.

27 June Birds were seen flying ~~over~~ the Barrow area in the morning and were widely distributed. An attempted copulation was seen in the afternoon; they are more widely distributed than on June 25 but less common in any one area and are still quite prone to get up and fly several hundred yards without much provocation.

P. DeBenedictis
1965

Red Phalaropes

29 June Barrow, Alaska - small aggregations still to be seen but they seem to be breaking up into pairs more and more. Saw at least 3 copulations or attempted copulations in the afternoon. Found two ♂s with broken wings; the 1st was made into a shrimp - it had 3 large ova (one broken) about 6, 4 + 3 mm and what appeared to be 2 old follicles although it was difficult to be sure of this; it didn't appear to have laid recently. The other contained no follicles and the oviduct was only beginning to come up; it clearly hadn't laid yet. (Dr. P. Telka found one ready to lay its 1st egg). Little evidence of change in #s and it is the most conspicuous shorebird now.

30 June This was the commonest and most evenly distributed shorebird in Central Marsh; they were never to be found in large groups though congregations of 4-7 or so were not especially unusual, and a number of pairs were seen as well as singles trying to "join in." Pairs were copulating; and at least one pair was seen resting slowly side by side on one of the higher spots out in the Marsh. Some of the ♂s are giving a short rough call that sounds quite like the flight call of a duck.

4 July A few very white ♂s were seen today. At close range they are reddish on the rump, flanks and nape and the back plumage is summer, not winter. They are still noisy, sociable and everywhere distributed where there is water.

R. De Benedictis
1965

Red Phalarope

- 7 July Barrow, Alaska - Very much less conspicuous in Miamut Marsh and no closely associated pairs seen. A nest with 3 eggs which had been found earlier by Bob Hamilton still has 3 eggs and a? nest of this species between IIIA & the road was empty.
- 8 July The above mentioned 3 egg nest is empty today about midday.
- 10 July They seemed to be very scarce today as compared to July 6, but part of this may be a reflection of a movement on the bird's part to the east side of Central Marsh, which was not checked.
- 11 July There were large numbers in Foot print lake, clearly flocked; they were well scattered but everywhere to be seen in the Ikroavik region; the great majority (over 75%) were ♂s.
- 12 July A nest with 4 eggs found west of VOTH slough in the afternoon and a 4 egg nest ~~near~~ ^{in the VOTH} area in the evening.
- 13 July A three egg nest seen near lines IVA-B which had been marked earlier. No change in the nest found west of VOTH slough 12 July.
- 14 July ~~One~~ 4 egg nests found along the weather road to Central Marsh in the morning, and a 4 egg nest E of line IV and a 3 egg nest in the marsh N of line IV in the afternoon. Only 1 ♂ seen all day.
- 16 July Very scarce along Elson Lagoon as elsewhere now, and no ♀s identified.

P. DeBenedictis
1965

Red Phalarope

- 17 July Barrow, Alaska - for a change they are now out numbered by other birds along the Voth creek area and are seldom seen elsewhere.
- 20 July Found a 3 egg nest about 25 yards south of the nest located east of line II on July 14 and a 4 egg nest along the weasel road near the ~~the~~ micronut shack on the Beach Ridge. No sign of hatching and no σ s present.
- 21 July Birds widely dispersed. No nests found but no effort made to do this either.
- 22 July All seen were lone σ s. The nest near the O end of line IV B with 3 eggs as usual; the σ sitting tight.
- 23 July All were lone males. The nest along the Central Marsh Rd. just N of the Beach Ridge empty.
- 24 July All seen were lone males. About midnight a male was flushed from 4 downy chicks that must have left the nest in the morning. They scattered when I st frightened and were not at all prone to squat; Two took to the water in a shallow, grassy pool. The hood scattered so that I was about 40 feet from the others, which were about 15 feet apart. The σ became quite solitious and began to brood the chicks, which "peeped" constantly, even though we were quite close. When it began to brood it gave a series of soft, rough notes ("Hutton Vireo note - m m m m") and the chicks all began to move towards the male. Pops got together very quickly and the σ would brood them

P. DeBenedictis
1965

Red Phalarope

24 July

Barrow, Alaska - then as the third chick approached would get up and brood it alone; the chick would stay still then begin to move to the male, which got up and went back to the two. This was repeated when the 4th chick came in from ~40 feet away. The male would stand very upright when the chicks approached and the chicks pushed under the male from the front.



While this was going on I was able to take several photographs at 7 feet focus and 1 or 2 at 4 1/2 feet; the ♂ was ~~about~~ but flew off only when I moved suddenly away. The chicks are ~~very~~ ^{more} ~~uniformly~~ ^{boldly} patterned in that the streaks of light and dark color are solid and their legs are pink.

25 July

Birds were widely spaced in the grassy flats ^{around} ~~at~~ the large lakes in the Ikroavik region. No flocks, but often 2-4 ♂s feeding together, and no ♀s seen. Male ~~for~~ ^{continually} jumped up from in front of the weasel but only one nest was located - this with 4 eggs at the N end of Ikroavik - although a little effort made to do so.

29 July

a flock of about 15 ♂s on a small pool just south of Wohlsehlag slough. Several groups of 3-5 ♂s seen and it looks like the ♂s are now beginning to flock up.

Phalaropus fulicaria

Phalaropus fulicarius
~~Lobipes lobatus~~

- 31 May Meade River Coal Mine, 157°23'W, 70°29'N, Alaska
a ♀ seen flying W over the village, calling
loudly, about 8 PM.
- 2 June 7 ♀s seen flying over the village in the A.M.
2 ♀s flying over about 11 P.M.
- 4 June At least 1 adult, and some immatures
seen, but none seen on the ground. No immatures, ♀s
- 5 June Immatures & adult birds seen flying, but they
are probably gone to. Not seen any males here.
Immature in a tree near house. One at about noon.
They are very common but I see no other species
seen flying about now.
- 6 June Little change from yesterday but not a many
birds seen. Possibly one ♂ seen flying and one
seen on the ground nearby in the house.
- 7 June Birds beginning to show up in the grass with
the low tide. Most are ♀s. One seen dipping like
a dabbling duck. A few together on the water.
- 8 June Found one or two from pools near the house
flat, and other seen near pools in the village
pools. Possibly one ♂. All birds seen were well
out in the pools where water is quite deep, and
unlike any of the other birds present when they are
in the water.
- 9 June Much commoner today than earlier and
seen on many pools in the village pools area,
where they feed by picking at the surface and
by occasionally dipping like a duck to the bottom. ^{3-4, 2.}

Phloxes *Hydrangeas*

[illegible]

10 June A few in the pools around here and in the
lower parts of the Glade R. River. More #s than
fish, but some are large. Not seldom 8 or 9
are together. Very noisy. Birds seen on the ground
are always in ~~low~~ pools and ^{usually} out in the
creeks. Not much spawning seen.

11 June This the only "common" species I saw. There
are a few in ~~many~~^{most} pools of water here & there,
but none lots together. Many ♀s. They seem to
like the free pools. One pool where water 8" deep
about 1/2 ft deep 70°. Saw several birds
dipping to pick at the bottom of the pools and but
the only thing seen in the water was a small fish that
swam along the surface. Little sign of insects at
100 yds.

12 June Dr. Only birds seem to feed over the
Calyx pools. Didn't see any wolfship.

16 June Seem to be scarcer now than before I left. There were hardly any in evidence in the lake basin south of south ridge but better activity along the W side of L. Agassiz. Saw one copulation and the ♀ obviously associated. Most birds in the pools. A ♂ on the census plot, at my approach, flew to a bare ridge and crouched.

Phalaropus fulcarius

- 16 June Mechelle River Coal Mine, 157°25'W, 70°29'N, Alaska
allowing close approach. Another ♀ seen to be there but they
are not conspicuous.
- 17 June Phalaropus partly there along the W side Lake
Agassiz but they seem to be having a hard
time finding any thing to eat. Saw the first
real evidence of territoriality" - ♀ defended
the ♂s. A few lone ♀s out now and also a few
lone ♂s. They clearly will not be common.
Birds foraging out in the lows pools. where
the grass is opened and flatting on the surface.
They seem to get much of the food they can from
the flatting mats of grass.
- 19 June Found a nest with 4 eggs just N of the census
plot in the grassy ridge between two ponds. There
were 3-4 other ♂s on the plot where they feed
in the pools, without seeming to have much success.
Success was greatest when they worked along the
edge of the pools. Several (2 or 3) ♀s still associated.
- 20 June Birds heard flying over the polygonal area N of the
~~village~~ but none seen landed except 1 or 2 in the village
flats. No pairs seen except in flight.
- 21 June No ♀s on the census plot today. Found two 4 egg
nests, both on Sphagnum dikes between ponds
in Carex. The ♂s flush at 3-4 feet coming up
off the nest without distraction display but calling
loudly, a startling performance. Little feeding seen,
but that seen seemed to be more successful than ^{this} earlier.

Phalaropus ~~fulvus~~ fulvipes

23 June Meade River Coal Mine. 157025'W, 70°29'N, Alaska

Several ♀s on Lake Agassiz. One ♂ seen trying to chase a ♀ away. When he flew after her, she would take off head and tail down and the wing noise was very loud - when she took off the back feathers were strongly fluffed. A group of 4 ♀s seen together out in the center of the lake, and several ♀s are still associated in this region. Found one nest with 4-eggs in the marshy area between the two lakes.

25 June Very inclement and no groups, though a few ♀s were seen associating with flocks of Hares & Phalaropes. A ♂ associated was very excited and kept jumping up out of a pond within the wharves and rapids. The flight was fluttering and the legs dangled. A 2nd ♂ was feeding along the edge of the pond, and after it left, the 1st ♂ picked down. The ♀ collected was alone, and appeared to have completed a clutch but looked like she may have been ready to go again. A possible deposit, but 2-3 days old, and several eggs were a very old follicle. The current probably not now functional.

26 June One nest on the plot worked, but ♂ still in the area. No ♀s seen. A few loose birds flying over.

27 June A couple of ♂s in the plots seen. One seen from camp, feeding along the edge of the lake.

Phalaropus fulicarius

27 June. Meade River Coal Mine, 157°25'W, 70°29'N, Alaska
lakes, and 2-3♂s and a ♀ in the pools in the
reclaimed polygonal area. One male collected
was driving a ♀ out of its territory. That ♀ was
also taken. She had laid 4 eggs, and her
oviducts were regressing. The largest follicle was
about 4 cm, and still vascular.

28 June Several small groups of phalaropes that were
seen during the day included a few Redts,
though Nottens were predominant. The
birds on the curved plot were unchanged.

29 June A few in the polygonal areas inland from
camp, most wales, and in the marshy
lake margin regions. where ♂ + ♀s were
present. A few small groupings on Lake Agassiz.

30 June Two or 3♂s were chasing a ♀ out of a marshy
area along Lake Agassiz and a ♀ feeding in
the same water. Several other ♂s were seen but no
groups of 10.

1 July Only a few birds seen in the valley flats area,
all in flight overhead.

3 July Both males in the corner just E.K. The ♂
on the west went into a distraction display as if to
give a distraction display, but then jumped up
and flew 5-7 feet and repeated again.
The distraction display, if that is it, is a substitution
as in the state behavior of these cutters.

Chlorophyll - follows

4 May. Clear, fine, blue sky, 15°-25°, 11°-14° N. Breeze
Several birds were flying about, the majority of them a
large species of the common gull, which was flying in
small flocks. Apparently still trying to get
on their feet. There were several birds out
in the grass, mostly single and in pairs.
I saw, but they fly. When I got near them they
would fly off. They were not out in the
open, but were flying only in the air. They
were on the ground.

[illegible]

6 July Both nest on the grass plot are empty and appear to have withered successfully. One male was near the 4, 5 meter and the other near the 2, 5 meter with 4 chicks. When I found the chicks they were on a spongy mud in a small lens pond. The ♂ ran about periodically, jumping, then alert, then off again, glancing backly in the water and feeding - saw 4 copley's macropods in tip sticks, - in the lens - the bird running in the grass between

Phalaropus fulicarius.

6 July. Alaska River, East River, 15°25'N, 70°24'W. 11 birds
 kept. When the birds finally started charging
 the ~~male~~ within 4 feet of me. It called
 the others in with a "wup! wup!" call, soft,
 the birds coming rapidly from up to 10 feet away.
 They were really not aware of getting charged.
 The 1st & 2nd were the first of the flock to
 charge; the 3rd was next. The 4th
 & 5th were the last to charge. All the birds
 were constantly moving back of the front
 & responding quickly. Quite a game.



7 July Only one ♂ was noted in a large pool in the area
 opposite the house across from South Park, Alaska.
 a large number of birds were seen.

8 July At least 10 birds were seen in the area of the house
 opposite the house. One ♂ was seen in the area, which
 was not put in the large pool area, where it
 was 10" of water. The other 9 were in the
 the house. 8-10 birds were seen in the house,
 rest. They seemed to be feeding in the house
 sections 1-6" water. The birds were
 a 50-25 to 100, but they were not seen. When
 the birds were only about 10-20 feet away.

Phalaropus filicornis

8 July Muske River Lake Mine, 157°25'W, 70°24'N, Alaska
at least one bird acted like I had fish along
a Sphagnum bog into 7th. They were near: the
type was mostly on one side and open water on the
other. The 1st time the non-Hudson-Hudsonian-
just-as-poor-bird type predominance I saw 3 July
on the census plot but couldn't sit on birds. No birds
identified.

9 July None on the census plot was.

11 July Phalaropus appear to be less common now than
earlier, but still 3-4% in the ^{large} census plot, where they spend most of the time. I saw
some much more. The 1st time I saw and banded
on the census plot, but didn't count. Saw none
in the small pools up and from the Lake. Several
Sooty birds, and some on the census plot.
In the evening 10th in the lake and along the
they were birds.

13 July There are evidently more in Lake by now than I
thought, for when a large pond was at least a
dozen birds got up and flew along with it,
chattering excitedly. The others appeared to be
dark plumaged birds. Birds were mostly on
the ground mostly in areas with standing
water and much grass, but a few birds
were out in open land where the
Sphagnum beneath was waterlogged and under 1 ft.
inches of water. None on the census plot.

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